The Mining Journal RAILWAY AND COMMERCIAL GAZETTE.

forming a complete record of the proceedings of all public companies.

No. 798.---Vol. XX.]

LONDON, SATURDAY, DECEMBER 7, 1850.

PRICE 6D.

VALUABLE COAL MINE FOR SALE.

MR. BROUGH will SELL, BY AUCTION, on Tuesday, the 17th day of December, 1850, at Twelve o'clock at noon, at Mr. Brown's Turf Hotel, NEWCASTLE-ON-TYNE, the MINES of COAL within the FARM of HOLYWELL GRANGE, Situate in the parish of EARSDEN, in the county of NORTHUMBERLAND, comprising ONE HUNDRED and THIRTY-ONE ACRES, or thereabout, which are wrought by means of pits upon the farm, and in the occupation of Messra. Plummer & Co. For further particulars apply to Mr. Henry William Fenwick, or Messra. Claytons and Dana, solicitora, Newcastle-on-Tyne.

MONTGOMERYSHIRE.

TO MINING SPECULATORS AND CAPITALISTS TO BE SOLD, BY PRIVATE CONTRACT, either TOGETHER or SEPARATELY ill those very promising LEAD MINES, called RHYDYBENWORI and CROWLEW intents in the parish of LANIDLOES, in the county of MONTGOMERY, together with

situate in the parish of LLANIDLOES, in the country of MONTGOMERY, together with all the ORE raised and now thereon.

RHYDTENWCIK MINE is distant from Lianidioes about 7 miles, and near the very productive mine called Nantmelyn. An adit level has been driven, and a shaft sunk, in which the lode shows itself about 4 for who at present.

CROWLWM MINE is situate within 4 miles of Lianidioes, on the banks of the River Civwedog, and not far distant from that well-known and very valuable mine called Bryntail, the lode of which, it is believed, runs through it.

The working of the mines on sale commenced only very lately, and satisfactory reasons will be assigned for disposing of thom. There are several lodes in the setts, which are very extensive, and there is sample water power, and it only requires a small additional outlay to bring them into a state of profit. The whole will be sold upon very moderate for the interest of the mine and the profit of the profit culars, and to treat for the mines, apply to Mr. William Jerman, the younger, builder, Lianidios.

EXTENSIVE IRON-WORKS AND MINERAL LEASES EXTENSIVE IRON-WORKS AND MINERAL LEASES FOR SALE, BY PRIVATE BARGAIN.—The BLAIR IRON-WORKS, belonging to the AYRSHIRE IRON COMPANY, situated in the parish of DALEY and county of AYR, consisting of TWO BLOWING ENGINES, FIVE BLAST-FURNACES, FOUNDRY, PIT ENGINES, and other requisite utensis for the furnaces and working the minerals, all in working forder, besides nearly TWO HUNDRED WORKMEN'S HOUSES. The extensive MINERAL FIELDS comist of BLACKBAND, IRONSTONE, COALLIMESTONE, and FIRE-CLAY, held under long leases, at moderate fixed rents and reyalties, all in the immediate neighbourhood of the furnaces, and the works having a connection with the Ayrshire Railway, command greatfacilities for trainsit and shipping of the produce. There is a large STOCK of IRONSTONE on the ground, which may be had at a valuation, and considerable progress has been made in the ERECTION OF MALLEABLE IRON-WORKS, in connection with the furnaces, which may also be had.—The above are well worthy the attention of capitalists and parties in search of mineral fields.

For further information apply to Mr. Brown, 35, St. Vincent-place, Glasgow.

FOR SALE, BY PRIVATE CONTRACT,—A 49-inch cylinder PUMPING ENGINE, 8-feet stroke, equal beam, with new condensing work, and boiler of 10 tons.—Price £680.
A 32-inch cylinder PUMPING ENGINE, 9-feet stroke in the cylinder, and 8-feet in the shaft, with boiler, &c., 10 tons.—Price £550.
Also, a 20-inch cylinder PUMPING ENGINE, of 4-feet stroke, equal beam, suitable for proving a small mine. -Price £100.
For further particulars apply to Capt. Evans, jan., Fool, Gornwall.

VALUABLE MINERAL PROPERTY TO BE IN PART OR WHOLLY DISPOSED OF.—This most desirable METALLIFEROUS SETT, consisting of nearly 2000 acros, is situated in one of the renowned mining districts of central WALES. One discovery of SILVER.-LEAD ORE, made upon it some few months ago, was considered of so singular and promising a nature, that a brief account of it was then published, and subsequently copied into most of the leading papers of the kingdom. Since that period a shallow sink has been made on the lode, which is 6 teet wide, traversing a beautiful soft whittish killss. The analysis of the ore, of which there is about 20 lons on the bank, gives 75 per cent. of lead and 80 ounces of silver to the ton; indeed, the last assay of the ore, found at about 7 fathoms from the surface, gave the extraordinary quantity of 200 ounces of silver to the ton. There is a fine mixture of lead or as the bottom of the present shallow shaft. The mine is but 9 miles (of good tumplic-road) from the shipping port, and a fine stream of water runs close past it, offering every fa-cellity for the development of its invaluable mineral resources.

For further particulars apply posts-haily to "X. X.Z." at the office of the Mining

For further particulars apply (post-paid) to "X. Y. Z.," at the office of the Mining Journal, 26, Fleet-street, London.

VALUABLE MINERAL PROPERTY TO BE LET, on

WALUABLE MINERAL PROPERTY TO BE LET, on most ADVANTAGEOUS TERMS.—This most desirable METALLIFEROUS PROPERTY, consisting of nearly TWO HUNDRED ACRES, is situated in the parish of HIRNANT, MONTGOMERYSHIRE, and in the immediate vicinity of the celebrated Llangynoc and Craig Des Load Mines.

The following is a REPORT of Captain James Trionas, of the Chick Castle and Llangynoc Lead Mines:—

Mr. Joun Hangox,—Dear Sir: In compliance with your request I surveyed your mineral property, statuated in the parish of Hirnant. The geological formation of the rock is decomposed slate and trap rock, dipping south-west. In the north side of your property I perceive a lode, or vein, of load, of great promise; and from the general character and formation of the lode at the surface, the composition and structure of the rock, I consider it worthy of trial; and it as my belief, that if properly explored, you would have a productive load mine in this quarter; and cannot but express my surprise that such a vein should be so long neglected. About 200 yards south, and lower down the hill side, is a vein of slates, of vast extent, of the highest and most productive order; in the tabular structure and purity of metal, with other fine qualities, I consider them equal, if not superior, to any slates in the neighbourhood. On the south side of the river, on your property, there is also another lode, a continuation of which runs through the Craig Dec Lead Mine, which I yesterday saw the mem working on — a beautiful course of ore, from 18 to 20 inches wide.

JAMES THOMAS.

JAMES THOMAS.

AT.IN. F.S. —TO. RE LET. ON LEASE the WHOLE one

MINES.—TO BE LET, ON LEASE, the WHOLE, or a PARK, of the very valuable MINES of COAL and IRONSTONE remaining to be got in the FENTON PARK ESTATE, which consists of the PARTHES FARM, the YEW TREE FARM, and the FENTON PARK ESTATE, which consists of the PARTHES FARM, the YEW TREE FARM, and the FENTON PARK FARM, containing together 197A. OB. 37r., or thereabout, situate at FENTON, in the parish of STOKE-UPON-TRENT, and county of Stafford.

This Estate is distant from the canal, at Stoke, about 1 mile. There are many shafts in the estate, which are sunk through nearly the whole of the ironstone measures. The ironstones are of good quality, and there is an abundance of ironstone in the ground. According to sections taken in the Fenton Park Estate, and in adjoining property, there is a thickness of ironstones 10 feet 4 inches, cropping out on this estate. The inclination of the strata is about 10 in 36.

There is in this estate, within a moderate depth from the surface, a sufficient quantity of good coal for the purposes of calcining the ironstone and working the engines. The deeper mines of coal in this estate are of a superior quality; and if it be required they would be let along with the shallow mines of coal and the ironstone. The ironstone mines would be got very cheap, and there would be no water to draw in getting them.

There are several small engines and colliery utensils on the estate that would be taken to by the lessee at a valuation.

For any further information respecting these mines apply to Mr. Charles Bromley, of Motley, near Darlaston.

INARES MINING ASSOCIATION .- At the Half-yearly ov. 28, 1859, THOMAS FIELD, Esq., in the chair,

It was resolved,-That the Directors be empowered to raise the further capital sum of £3750 by the Issue of 4500 additional shares, on which the sum of £1 10s, shall be paid as follows:—16s, per share on the 1st of Fabrus; per share on the 1st of Feb.; 5s, per share on the 1st of April; 5s, per share on the 1st of Feb.; 5s, per share on the 1st of Feb.; 5s, per share on the 1st August next; and that on the due payment of such sum of £1 10s, per share, in accordance with the following resolution, such shares shall rank with and be entitled to share equally in all the advantages to be derived from the original shares of this association.

be entitled to share equally in all the advantages to be derived from the original substance of this association.

It was also resolved,—That if any instalment on the 4500 shares to be now issued shall remain unpaid 15 days after the days on which such instalments shall be due, in accordance with the preceding resolution, such shares may be declared forfeited by the directors, and shall be absolutely forfeited accordingly.

Resolved,—That application for the said 4500 shares, now to be issued, be made to the Secretary in writing, on or before the 20th of December; and the said shares shall be allotted by the Directors to the existing shareholders in this Association in proportion to the number severally held by them, but that if any remain to be allotted after the 20th of December, such shares may be allotted at the discretion of the Directors. In accordance with the above resolutions, applications from the shareholders for the additional shares will be received at the offices, No. 2, New Broad-street, until the 20th last, addressed to

STIRLING'S PATENTS FOR IMPROVEMENTS IN IRON.—1. TOUGHENED CAST-IRON, which is double the strength of ordinary cast-iron, and only from 10s. to 12s. per ton extra.

2. ANTI-LAMINATING RAILS and TIRES for WHEELS at an extra price of about 7s. 6d. per ton. Also IMPROVEMENTS in the MAKING of WROUGHT-IRON—saving one process to the manufacturer.

Further particulars and terms of license, &c., may be obtained on application to Mr. Jee, civil engineer, No. 6, John-street, Adelphi, London; also from the London agents, Mesers. GARDEN and MACANDREW, 34, Dowgate-hill; and the Scotch agents, Mesers. W. and J. H. Johnson, 196, Buchanau-street, Glasgow and 20 St. Andrews-square, Edinburgh.

MR. JAMES CROFTS tenders his SERVICES to CAPI-large or small scale; and will be happy to indicate such mines as present the greatest chance of permanent dividends, or ultimate success of the workings, either at the request of his correspondents, or in reply to specific inquiries. The utmost punctually in attend-ing to communications from the country may be relied upon; and by transacting busi-ness only roo remerizate, Mr. Crofts hopes to establish an identity of interests between his friends and himself.

nis frience and minesur.

JUDICIOUS PORGILARE IN ESTABLISHED DIVIDEND MINES WILL INSURE A HIGH RATIO

of INTEREST per annum, varying from 15 to 20 per cent.

Bedford United

East and South Tamar
Wheal Augusta (15 shares)
Wheal Crobor (10 shares)
Wheal Crobor (10 shares)
Wheal Tray and Mary Tayy
Wheal Tray and Mary Tayy
Wheal Forteseue (26 shares)
What Forteseue (26 shares)
Wheal Augusta (15 shares)
South Carn Brea (20 shares)
Wheal Augusta (15 shares)

South Carn Brea (20 shares)
Wheal Augusta (15 shares)

Forteseue (26 shares)

Wheal Augusta (15 shares)

South Carn Brea (20 shares)

Wheal Augusta (15 shares)

Forteseue (16 shares)

Wheal Augusta (15 shares)

South Carn Brea (20 shares)

Wheal Augusta (15 shares)

Forteseue (16 shares)

Wheal Augusta (15 shares)

South Carn Brea (20 shares)

Wheal Augusta (15 shares)

Forteseue (16 shares)

Wheal Augusta (15 shares)

South Carn Brea (20 shares)

Wheal Augusta (15 shares)

South Carn Brea (20 shares)

Wheal Augusta (15 shares)

South Carn Brea (20 shares)

Wheal Augusta (15 shares)

Forteseue (16 shares)

Wheal Augusta (15 shares)

South Carn Brea (20 shares)

Wheal Augusta (15 shares)

Forteseue (16 shares)

Forteseue (16 shares)

Wheal Augusta (16 shares)

Forteseue (16 shares)

Forteseue (16 shares)

Wheal Augusta (16 shares)

Forteseue (16 shares)

Forteseue (16 shares)

Forteseue (16 shares)

Dated No. 4, King-street, Cheapside, December 7, 1850.

MR. EVAN HOPKINS, C.E., F.G.S., &c., CONSULTING MINING ENGINEER,

OFFICE, No. 13, AUSTINFALARS, LONDON,

Mr. HOPKINS may be consulted daily by Noblemen, Gentlemen, and Capitalists, who have invested, or may wish to invest, their capital in MINES or MINERAL PROFERTIES, on all matters connected therewith (Home and Foreign).

This office is the only one of the kind in the kingdom. No dealings in shares—is independent—having no connection will sup party.

To avoid abuses, it is requested that no notice will be taken of any representations respecting mines—be they anouncated or undroumable—without being authenticated.

The object is to see justice done to the capitalists and property, and consultations on questions connected with general science:

".* Every description of Mineral Property inspected and reported on—on the Continent as well as the United Kingdom, and distant capitalists may receive periodical advice.

N.B.—Being a responsible and confidential business, and having a very extensive connection, it becomes necessary to acquaint those who apply for reports, that they must be paid for on delivery, at his office, otherwise they cannot be attended to.

MINING AND GENERAL AGENCY AND AUCTION OFFICES, -52, THREADNEEDLE-STREET, LONDON.

Mossys. R. TREDINNICK AND CO. beg to inform their Friends, Capifalists, and the Public, that their SALES, BY AUCTION, OF MINING, RAILWAY, and OTHER SHARES, take place every WEDNESDAY, at Twelve o'clock, at their SALE ROOMS,

SHARES, take place every WEDNESDAY, at Twelve o'clock, at their SALE ROMS, in the HALL OF COMMERCE—commencing on the 18th inst.

Mesars. TREDINNICK & CO. hope that the arrangements they have made will afford that convenience and advantage to those embarking in mises, railways, &c., so desirable and necessary to ensure the ready and effective purchase and sale, and which the importance and magnitude of such property demands.

SHARES of every description BOUGHT and SOLD ON COMMISSION, and MONETARY MATTERS of every kind NEGOTIATED, Market Value of Shares, Statistical and other Information afforded gravillously, upon application.

Mesars. T. & Co. offer to the mining world the opportunity of exhibiting in their Public Sale Rooms, Reports, Plans, Sections, and Specimens of Mines and Mineral Districts, whether situate in the United Kingdom, Foreign, or Colonial Possessions, upon forwarding the same, free of expense; as well Plans, Sections, and Valuations of Estates, Houses, and other Property for Sale.

They subjoin herewith a List of Mines, elusate in the best mining districts of the United Kingdom, to which we especially beg to draw public attention, as offering desirable inducements for investment, many of which gay dividends, of 10, 15, 20, and 25 per centper annum upon the market value of Sanra, whilst others, from capital subscribed and expended, are on the eve of paying dividends, but selling at corresponding low prices. The impects given to British mining by the improved, and fare, position of our mestal markets—the prosperity of our manufacturing districts—the superabundance of money, with the atable condition of our Geverament and its revenue, added to the success of the country in its varieus channels—at passe with the whole world, is to them one of the most pleasing and satisfactory character, and they have no doub but 1851 will prove to England one of the brightest and most successful epochs to its commercial history.

Plans and Sections, together with Reports of Mines in every district, obtained from p

orrect and detailed information to the public respecting the position and legital strikes mining.

The following is a list of some of the dividend-paying and other mines:—

The following is a list of some of the dividend-paying and other mines:—

Condurrow South Tamar Consols Carn Brea Cook's Kitchen Tamar Consols Tamar Consols Devon Great Consols East Wheal Frances

Stray Park East Wheal Frances Trefusign Consols Treviskey and Barrier Tincroft East Wheal Crofty Treleigh Consols West South Basset Gustavias Mines West Goginan South Frances Great Wh. Baddern West Polgooth Wheel Reeth Holmbush West Ston West Sten West Frances South Tolgus Linares South Tolgus Linares Pass, bank & Ergloid West Parconsols Wheel re-Levant South Tolgus East Wheal Rose North Pool Alfred Consols Bryn-arian

Comfort St. Aubyn and Grylls
Among the shares submitted for sale, on Wednesday, the 18th inst., will be included in most of the above mines.

CHYPRASE CONSOLS MINE,—situated in the parish of SAINT ENEDOR, CORNWALL.

At the First General Meeting of Shareholders in the above-named company, held at 36, Newhall-street, Birmingham, on Tuesday, the 3d of December, 1830, the following resolutions were proposed and agreed to manimounly;—

It was moved by Mr. Hinks, and seconded by Mr. Banks,

That the report of the provisional committee be received and adopted, and their acts confirmed.

Moved by Mr. Parrish, and seconded by Mr. Lewis,

That the satisfactory report of Caps. James Michell be received and entered upon the minutes.

Moved by Mr. Lewis, and seconded by Mr. Banks,

That the following gentlemen be appointed on the committee for the general management of the company—Mr. Henry Parrish, Mr. Augustus Yates, Mr. William Collins Morgan, and Mr. Charles Hinks.

That the committee meet monthly at Birmingham.

That Capt. Jas. Michell, of St. Enedor, Cornwall, be, and is hereby appointed, mine agent. That Mr. Thomas Lewis, of Birmingham, be, and is hereby appointed, purser.

That John Barker, and Henry Parrish, Esgs., be, and are hereby appointed, trustees; and that the National Provincial Bank of England be, and is hereby appointed, bankers to the company.

AGENT'S REPORT.

and that the National Provincial Bank of England be, and is hereby appointed, bankers to the company.

AGENT'S REPORT.

Chyprase Consols Mine, Nov. 22, 1850.

GENTLEMEN,—I beg to inform you that, since our commoncement in the above mine, we have opened levels to take off the water from the wheel, about 150 fms. in length, average about 9 feet in breadth, and about 7 feet in depth; timbered about 50 fathoms of those leats, and some part of them we have stoned np; we have opened the ground for the wheel and bob, 36 feet in length, 11 feet in breadth, and 10 feet in depth; put in the wheel-hrame, and secured the wheel-pit and bob-pit with timber; made all roads that are necessary for the time to carry the main river; made a saw-pit to saw that carry off the surface water from the mine to the main river; made a saw-pit to saw that timber in for the mine, and I aw now building a house about it, which will also do for a carpenters' shop, and I lave no doubt of completing the same next week; made about 170 new leats, 5 feet in breadth, and 32 feet in depth; made one met bridge over the same under the parish road; repaired about 20 fathoms of old leats—those leats are to carry the water to work the wheel. We have got the wheel-axie on the frame, and shall now go on putting the wheel together, making the launders, &c. The engine-shaft is down 20 feet from the surface, and we are still sinking the same, and I have no doubt we shall be able to go on with it by baleing the water out until we get the wheel to work. This shaft is 9 feet in length, and 7 feet wide, and one end is 5 feet; and it is the most beautiful-looking ground I have ever before seen and I saver you that a more productive stratum of ground for mineral wealth I have never before beheld, and there is every indication that our most sanguine expectations will speedily be realized, when we cut the lodes at the 30 fathom level. I am, Gentlemen, your most obedient servant,

WANTED,—A WATER-WHEEL, about 35 feet diameter, and 4 to 6 feet breast, calculated for PUMPING PURPOSES.—Any parties having a wheel about this size for sale, are requested to send particulars to J. E. Square, Esq., solicitor, Plymonth; or to W. L. Ternan, accretary, Warleggan Mining Company, 38, Threadneedle-street, London.

O CAPITALISTS.—The ADVERTISER can POINT OUT a TRACT OF COUTRTY, 10 miles long, containing LEAD ORE, on a Champion Lode, worked at the east and west ends. The intermediate ground, about 5 miles long, on the course of the lode, is free for adventure at 1-20th dues.—Further particulars may be obtained by bond fide principals, on application by pictor, free, to "N. N.," Waddington-terrace, Stratford, Essex, who will forward samples and report.

FOR SALE, -A 10-horse PATENT BOTARY ENGINE, with new boiler, steam-pipes, cog-wheels, drum, &c., complete.—For price and ticulars apply to Mr. Edward Bagot, mineral surveyor, Lianelly.—Nov. 26, 1850.

TO FOREIGN CAPITALISTS OR OTHERS.—TO BE
DISPOSED OF, a very VALUABLE PATENT FOR FRANCE, and also ONE
FOR BELGIUM, both taken out in the year 1848, for an invention for which Letters
Patent had previously been granted for Great Britain and Sectland, and which is now in
successful operation in many of the large mining districts. The price at which the above
would be sold will yield a very large return upon the parchase-money.
Full particulars may be obtained by addressing a letter (pre-paid) to "L. M.," at the
office of the Mining Journal, 26, Fleet-street, London.

FRANCE AND BELGIUM-VALUABLE PATENT RIGHTS.—FOR SALE, a PATENT, secured in FRANCE and BELGIUM, for an INVENTION connected with RAILWAYS and the MANUFACTURE OF IRON, now in successful operation in this country, and which has been most favourably reported on by the highest authorities.—Address "B.," at the office of the Mining Journal, 26, Fleet-

BLOCK FUEL MANUFACTURED FROM COAL, WITHOUT ADMIXTURE OF TAR OR ANY OTHER SUBSTANCE, save that which is contained in the coal itself. This valuable FUEL is now SUPPLIED to the PUBLIC, in large or small quantity, at a reasonable rate, and may be obtained on application to the agents, Mosars. Key and Mitchell, 103, Newgate-street, London.

PAILWAY SHARES, CONSOLS, ENGLISH & FOREIGN
STOCKS, and MINING SHARES, &c., BOUGHT and SOLD at the CURRENT
PRICE of the day, either for Money or the Account.—CASH ADVANCED upon approved
RAILWAY SHARES, for given periods, on moderate terms.
A daily and homery list of prices may be seen, and every information given, either for investment or speculation.
BROAD & CO.,
No. 9, BELL-YARD, DOCTORS' COMMONS, LONDON.

SHARES are TO BE SOLD in the following MINES:—

Levant, St. Just.
Botallack, St. Just.
Wh. Castle & Boswedden, St. Just,
Who Castle & Boswedden, St. Just,
Who The Ding Dong, Sancreed.

Apply at the offices of Mr. Batten, I, Crown-court, Old Broad-street.

WHEAL MARY ANN SHARES WANTED TO PUR-CHASE.—A Gentleman wishes to PURCHASE, for investment, a FEW SHARES in WHEAL MARY ANN LEAD MINE, Menheniot, Cornwall.—Direct to S. Howard, tonebridge house, Kingsland, stating lowest price.

MINING PROPERTY.—BUSINESS transacted in every description of MINING PROPERTY, SHARES BOUGHT and SOLD, ADVICE GIVEN to FARTIES as to INVESTMENT, ADVANCES of MONEY MADE on this DESCRIPTION of PROPERTY, Statistics given on Mines, and the earliest information obtained from the mineral districts.—Apply to DURRANT & CO., Mining Sharebrokers, 98. Lombard-street.

MINING SHARES.—Mr. JOHN CREFT, No. 1, ROYAL EXCHANGE-BUILDINGS, LONDON, OFFERS his SERVICES, ON COMMISSION, to BUY and SELL MINING SHARES, and will select for capitalists those with the greatest chance of success, and take pleasure in furnishing a list of prices, together with all particulars.

MINING OFFICES,—48, THREADNEEDLE - STREET, LONDON,—Messis. T. FULLER & CO., beg respectfully to inform the public that they are in a position to BUY and SELE SHARES in all the DIVIDEND-PAYING MINES, and have on hand Devon Great Consols, Levant, North Venton, West Caradon, Bedford United, Peter Tavy and Mary Tavy Consols, South Carn Brea, Warleggan Consols, Calstock Consols, Wheal Russell, East Wheal Russell, West Goginan, Wheal Harris, &c. &c.—Mining shares pay from 15 to 30 per cent.

MINING OFFICES, ST. MICHAEL'S CHAMBERS, ST. MICHAEL'S ALLEY, CORNILL, LONDON.

Mr. R. TRIPP, MINING AGENT, has FOR SALE SHARES in most of the best DIVIDEND-PAYING MINES and others, which will pay the purchaser, at present prices, com 15 to 35 per cent.

MINES.—MOLYNEUX & CO., 6, FINSBURY-PLACE SOUTH, and 6, WEST-STREET, FINSBURY-CIRCUS, have SHARRS FOR SALE in DIVIDEND-PAYING and OTHER MINES, which will ensure to capitalists the safest and most unexceptionable investment.—Office hours from Ten to Five o'clock.

MR. R. TREDINNICK begs to OFFER his SERVICES in the PURCHASE or DISPOSAL of SHARES in MINES. With an extensive connection in the several mining districts, he will be happy to acquire and afford every information connected therewith, and which may be at all times obtained on application at his offices.—Hall of Commerce, Nov. 30, 1850.

MANUEL AND CO., MINING AGENTS, are instructed to SELL in the following DIVIDEND-PAYING MINES:—Great Wheal Baddern, Runnaford Coombe, Great Wheal Michell, West Wheal Rose, Wheal Emily, Pentire Glaze, South Caradon, and others.—Office, 42, Fisi-street-hill, London.

MANDEVILLE & CO. beg to call the attention of the Public to the fact, that CAPITAL judiciously INVESTED in MINES will return a profit of from £15 to £35 per cent.—SHARES BOUGHT and SOLD.—Every information given, and agents sent to inspect mines, if required.

22, Change-alley, Cornhill.

MR. JAMES STRIDE, MINING SHARE DEALER and COMMISSION AGENT (late of Spring-Gardens), No. 111 B, JERMYN-STREET, ST. JAMES'S, LONDON.

MR. JOSEPH J. BAKER, METAL BROKER AND GENERAL COMMISSION AGENT, WOLVERHAMPTON.

OFFICES—MARKET-PLACE.

MR. JOHN DAVIES, MINING SHAREBROKER, No. 38, TOWER-BUILDINGS, TOWER-GARDEN, LIVERPOOL. MESSRS. BOXALL & CO., MINING SHARE DEALERS, 5, CROSBY HALL CHAMBERS, BISHOPSGATE-STREET.

JAMES LANE, MINING SHARE DEALER,

CENERAL MINING COMPANY FOR IRELAND.—
Notice is hereby given, that at the Half-yearly Meeting of the proprietors, on Monday last, a DIVIDEND of TEN PER CENT. was declared on the capital stock of the Company for the past half-year, PAYABLE on and after the 20th inst., between the hours of Ten and Three o'clock.

Office, 2, Burgh-quay, Dublin, Dec. 5, 1850.

MINING COMPANY OF WALES.—PROSPECTUSES, and Conditions for its Government, &c., may be had of ST. PIERRE FOLEY, Secretary, to whom letters on the allotment of shares, and on the general business of the Company, are to be addressed.—Offices, 24, Lincoln's Inn-fields, London.

EWIS MINES COMPANY.—Notice is hereby given, that a DIVIDEND of TEN SHILLINGS per share will be PAYABLE here on Wednesday, the 18th inst. and succeeding Wednesdays, between the hours of Twelve and Three o'clock.—Salvador-house, Dec. 4, 1850.

CHEMICAL ANALYSIS, &c.—ANALYSIS and ASSAYS, or INVESTIGATIONS of ANY KIND, are UNDERTAKEN at the COLLEGE OF CHEMISTRY, LIVERPOOL.

Professor—Dr. SHERIDAN MUSPRATT, F.R.S.E.

Hon. Assistant—Mr. JOSEPH DANSON, F.C.S.

A complete list of Fees for Analysis, or Students Working in the Laboratory, may be obtained by writing to Dr. Muspratt, College of Chemistry, Liverpool.

Transactions of Scientific Bodies.

MERTIAGS DURING THE ENSUING WEEK.		1/1541、120回 201日 101日 101日 101日 101日 101日 101日 101日		25
Civil Engineers = 25, Great George street		MEETINGS DURING THE ENSUING WEEK.	18	25.3
Zoological	TUESDAY		8	P.M.
Syro-Egyptian = 71, Mortimer-street, Cavendish-square 72 - M.				
WEDNESDAY Society of Arts Adelphi 8 F.M.				
Graphic - Thatched-house Tavern 8 F.M.	CONTRACTOR OF THE			
Microscopical—21, Regent-street	WEDNESDAY			
Pharmacentical -17, Bloomsbury-square 9 P.M.				
Ethnological - 17, Saville-row	10 to \$48			
Literary Fund—78, Great Russell-street 3 F.M. Royal—Somerset-house 8 F.M. Antiquaries—Somerset-house 9 F.M.		Pharmacentical-17, Bloomsbury-square	9	P.M.
THURSDAY Royal—Somerset-house 8½ P.M. Antiquaries—Somerset-house 9 P.M.	S. S. S. S.	Ethnological-17, Saville-row	8 1	
Antiquaries—Somerset-house 9 P.M.	Editor State Late	Literary Fund 73, Great Russell-street	3 1	
Antiquaries—Somerset-house 9 P.M.	THURSDAY		8# 1	
		Antiquaries—Somerset-house	8 3	
Royal Society of Literature—4, St. Martin's-place 4 P.M.	Bullion San Park	Royal Society of Literature-4, St. Martin's-place	4 1	
FRIDAY Philological - London Library, 12, St. James's-square 8 P.M.	FRIDAY	Philological—London Library, 12, St. James's-square	8 1	
Astronomical - Somerset-house 8 P.M.	Carleson work - Oak	Astronomical - Somerset-house	8 1	P.M.
HATURDAY 8 P.M.	SATURDAY	Medical—33, George-street, Hanover-square	8 1	P.M.

PROFESSOR TENNANT'S LECTURES ON MINERALOGY-ZEOLITIC AND VOLCANIC.-No. IX.

Prof. TENNANT, in opening his lecture, on Wednesday last, at King's Colge, made some remarks upon the general character of zeolitic minerals. When d to the action of the blow-pipe, more than three-fourths of their vaexposed to the action of the blow-pipe, more than three-fourths of their varieties had the peculiar property of expanding to double or treble the original mass; the greater portion also, when powdered and placed in heated nitric acid, formed a jelly. These minerals were found in amygdaloid rocks, or rocks which had almond-shaped cavities, in which they were formed. They occurred in the toadstones of Derbyshire, in the 1sle of Arran, in the Faroe Islands, in Iceland, in many of the Hartz Mountains, in Central India, and in Neva Scotia. These minerals occupied the greater part of four cases at the British Museum, numbered 27, 28, 20, and 30.

The first upon the list of vacilitie principles as Stillite, which was chiefful.

which had almond-shaped cavriles, in which they were tormed.

In the toadstones of Derbyshirs, in the Isle of Arran, in the Faroe Islands, in Iceland, in many of the Hartz Mountains, in Central India, and in Neva Socia. These minerals occupied the greater part of four cases at the British Museum, numbered 27, 28, 20, and 30.

The first upon the list of zeolitic minerals was Stilbite, which was chiefly in colour a beautiful white, having a peculiar penryl lastre, and occasionally red or brown. It cocurred in well-defined crystals, compressed in the centre, and extending outwards like a sheaf of corn There were many beautiful specimens in the British Museum showing this remarkable aggregation of crystals, as did several specimens the then handed round. In several of the specimen they were deposited on the green earth found in volcanic districts, and in distinctly volcanic rocks from Poonah. It occurred in exactly similar situations to agate, opal, and other varieties of chalcedony. It was composed chemically of the silicas of alumina and lime, and of water—there being of the latter often as much as six equivalents. Its specific gravity was low, being only 2; its hardness was 3-5 to 4.

Heulandike was so similar to stilbite, that for a long period the two were confounded with each other. Its appearance was, however, more glistening.

Analciose was found in well-defined crystals, sometimes colourless, and at others grey and red ; it was both transparent and opaque. It sprimary form was a cube, with appearances of a cleavage parallel to the planes, and its fracture was conchoidal. It had a shining lustrous appearance, between pearly and vitreous. It became weakly electric by friction; hence its name from the Greek word signifying that quality. It dissolved in nitric acid, and, when reduced to powder, formed a jelly.

Apophylite, or Fish-gree-stone, occurred in the form of a right square prism, and tocardic in a continuous course of the same and the substance in the Colour message in the colour of the main of the sam

Laumonite was a singular mineral, inasmuch as it could not be long preserved, unless it were placed in water. When kept dry, it soon decomposed, and crumbled sway. It was formerly called the efforescent scotiles, from this quality. It often contained no less than 16 per cent. of water when first brought from the rock.

Natrolite was a beautiful substance, occurring in radiated yellowish crystals. It was brought chiefly from Swabla, but it was plentiful in the neighbourhood of the Giant's Causeway.

Phillipsite occurred in white translucent or opaque crystals, with much of the appearance of harmatome; its cleavage, however, was less perfect. It was associated with Gmelinite, in the Island Magee, County Antrim, and in minute flesh-red coloured crystals, coating cavaties of anygdaloid, in large translucent crystals, in the minor description of rock at the Gant's Causeway, in Ireland. This mineral was formerly held to be the same as harmatome.

Prehavize was generally of a pale greenish or yellowish colour, with a vitreous or pearly lustre, and somewhat translucent. It became electric by heat, and was soluble in diluted muriatic acid. It occurred fibrous, massive, and in crystals, which were often very closely aggregated. It was exceedingly tough, and he had that morning found himself unable to break the specimen he held in his hand with the light hammer he generally used. Its hardness, however, was only 6; its specific gravity was about 8. Beside it, in the British Museum, would be found some curious Chinese carvings; that people using it for ornamental purposes, and for the construction of some of their household gods. It was brought in considerable quantities from the Cape of Good Hope, and was very plentiful on the rock upon which stands Dumbarton Castle, and in some parts of England.

Needlestone occurred massive, and also in long slender prisms, terminating by quadlateral pyramids. It derived its name from its appearance.

Thompsonite, which was the last of this group, he would mention much resembled needlest

[The next lecture will treat of calcareous spar and limestone.]

INSTITUTION OF CIVIL ENGINEERS.

Nov. 26 and DEC. 3. -WILLIAM COBERT, Esq. (president), in the chair.

The discussion on Mr. Struvé's paper, on "the Ventilation of Collieries, Theoretically and Fractically Considered "—the particulars of which are given in another column—was continued throughout both evenings, to the exclusion of

PENINSULAR'AND ORIENTAL STEAM NAVIGATION COMPANY.

PENINSULAR AND ORIENTAL STEAM NAVIGATION COMPANY.
The tenth annual general meeting of this company was held yesterday, at
the offices of the company, Leadenhall-street.
Sir John Piric, Bart. (the deputy-clasirman), in the chair.
The meeting was numerously attended, and amongst those present we observed Sir John Piric, Bart., A. Anderson, Esq., M.P., B. M. Wilcox, Esq., M.P., Dr. Beatie, of the Madras Service; Col. Underwood, Col. Knox, Col.
Thomas Kearney, Capt. Thornton, N.N.; Han. J. G. Littledale, Capt. Hankey,
Capt. Roxburgh, R.N.; Brodie Wilcox, jun, Esq.; Hon. Richard Moore, Gen.
Briggs, Major Moore, J. C. Morris, Esq.; Col. Sandys, Malcolm Lewin, Esq.;
W.F. Desalis, Esq.; James Hartley, Esq.; Col. Tullock, C.B.; Capt. Engledue,
James Allen, Esq., &e.
The Secretary, after the usual preliminaries, read the following

The directors have now the pleasure to present to you their report of the state of the company's affairs, and of their proceedings for the weive months ending on the 30th of September last, being she tenth year of the company's establishment.

In conformity with the resolution passed at the annual meeting of proprietors, held on the 18th of December, 1848, a statement of the accounts, duly andifed, with supplemental explanatory documents, has been laid on the board-room table during the last seven days, for the inspection of such proprietors as might desire to examine the same.

A balance of net profit for the ways at the contract of the property of the property of the profit of the ways at the contract of the profit for the ways at the contract of the profit for the ways at the contract of the profit for the ways at the contract of the profit for the ways at the contract of the profit for the ways at the contract of the profit for the ways at the contract of the profit for the ways at the contract of the profit for the ways at the contract of the contract of the profit for the ways at the contract of the contract of the profit for the ways at the contract of the

to be recommended, estimated to the carried to next \$ \$ 5,618 18 6 THE GUARANTEE INSURANCE FUND.

This fund, it will be recollected, was reported, at the last annual meeting, to amount to 150,000L, which the directors considered adequate to meet any extraordinary casualties in the then state of the company's property. Two new ships, at a cost of about 85,000L, having been since added to it, and a considerable extension of the company's operations being about to be effected, as will be presently alluded to, the directors consider it to be desirable that a proportionate augmentation of this fund should be made. They have, therefore, availed themselves of the fortunate absence of any serious casualties from sea risk to the company's facet during the last year, to augment this fund to 180,000L, by the following means—viz.:

Out of the ordinary earnings of the year they have appropriated to it.... £ 7,500 0 Out of the annual premium for the ordinary current sea risks of the year... 22,506 0

This arrangement will, the directors consider, serve to guarantee sufficiently from all extraordinary casualties the integrity of the company's property; while it will leave them still the means of making a payment of II. per share to the proprietors, on account of their risk as underwriters, and which will be paid early in the ensuing year to each proprietor, on the number of shares for which he may be entitled to the dividend now about to be declared.

TENDER TO GOVERNMENT FOR STABLISHING A STEAN COMMUNICATION WITH AUSTRALIA, IN COMBINATION WITH OTHER NEW LINES IN THE EASTERN SEAS, ETC.

The particulars of the proposal made to the Government for the above object, on the 2d January last, in consequence of the public advertisement issued in the month of Nov., 1848, were laid before you in the last half-yearly proper. Since then, that proposal and the proceedings of the Government increpace of it have, as you are aware, become the subject much of discussion, both in Farliament and by the public press. It can hardly create much surprise (life such a proposal should have encountered a determined epposition, in quarters and among parties with whose interests and views it might be considered to interfere, and that in consequence such misrepresentation should have gone forth upon a subject of so much public importance. The discussions, however, both in an out of Parliament, have led to the satisfactory result of eliciting such facts relative to this question, as can hardly fail to convince every distributes of impairing the stable of the proposal made by your directors combines greater public advantages: than it has failen to the lot of any other private enterprise to offer, and that it instributes merits are such as can scarcely fail to ensure its being adopted. Two of her Majesty's Cabinet Ministers, whose departments are chiefly concerned with it—the Chancaker of the Exchequer, and the Secretary of State forthe colonies—have publicly recorded their opinion that the tender of this company is "a most advantageous offer for the public," and that they are "most anxious to adopt it." After such a declaration, and looking to the urgent channals of the Australian colonists for the prompt establishment of a steam communication with the mother country, together with the expressed willinguess of the directors at once to carry out that communication, and to pospone that part of their plan which has occasioned the difficulty with the East India Company, your directors cannot

PROPOSAL TO GOVERNMENT.

A direct line of steam communication between Bengal, Penang, Singapore, and China, having been for some time past urgenity desired by the merchants and others at Calcutta and its vicinity, the directors have determined to open experimentally such a communication. With this view they have ordered the Ledy Mary Wood. (which vessel they have been compelled, as hereinafter explained, to withdraw from the Hong Kong and Shanghae service), to proceed to Calcutta, to open a communication between that port, Penang, Singapore, and China. They are also fitting out for this service the Erin, of 850 tons, and 280 horse-power, which will proceed from Southampton, in the course of a month, for Calcutta, and will be followed by another suitable vessel for the same destination and service. The directors consider that this branch service, worked as a merely commercial and passe eger line, in such manner and as such seasons as the traffic may require, and as may be found most advantageous to the company, unfettered by any milal contract, will prove remunerative. His conversion into a regular postal communication may subsequently be effected, as part of the proposal now before the Government, should that proposal be definitively adopted.

The two new ships mentioned in last year's report as in progress of construction at

The two new ships mentioned in last year's report as in progress of construction at Glasgow, are now nearly complete for sea. They have been named the Singapore and Ganges, are of 1200 tons, and 500 horse-power each, and in speed, and all other needful qualifications, are estimated, by competent judges, not to be in ferior to any ocean steam yessels now afloat. The Singapore is on the point of groceeding to Liverpool, whence she will take a carge and passengers for Malta and Constantiancele, and will shortly be followed, for the same destination, by the Ganges.

In order further to maintain the company's fleet in full efficiency, and to meet the increasing requirements of its trade, as well as to avail themselves of all the most recent improvements in steam navigation, the directors have determined to contract for the construction of the following vessels—viz., two steam vessels, of 500 horse-power, and about 200e tons each, for the 6 nonthampton and Alexandria service; one vessel, of shoot 800 tons and 300 horse-power, for the home service; two vessels, of 1100 tons each with screw-propellers and engines of 250 horse-power each, intended for cargo vessels.

INCREASE OF THE COMPANY'S CAPITAL.

Looking to the outlay which will be required for the construction of the five additional vessels above-mentioned—to the expediency of maintaining the company in a perfectly independent position in respect to its finances, and the probability of a still further and considerable addition to its fleet being required, in the event of the plan and proposal submitted to the Government being adopted—the directors consider the time has arrived when they may carry into effect the resolution of the general meeting, held 30th of May last, for increasing the capital by the creation and issue of 10,000 shares, of 50t. each, to represent the half million of capital resnaising to be called up. They accordingly propose, as formerly intimated, to allot the new slarres, at par, to the holders of the present shares, in the proportion of one new share to every two of the present shares, for which proprietors may stand registered in the company's boaks on 31st of December instant. A deposit of 3t, per share to be paid into the company's bankers; on producing a receipt for which the shares will be duly registered, and a certificate given to the holder. The deposits to be entitled to dividend on and after the 1st April, 1831; and all shares not take nu by the 31st March next (except by shareholders resident in India, to whom a further time will be allowed), will be considered as declined, and will be appropriated to the general benefit of the company. As no hair shares can be allotted, parties holding only one, or an an odd number of old shares, if they cannot otherwise arrange, may, by giving a written order to the secretary, assign thus interior in hair and way share to some other shareholders rester in half a new share to some other shareholders rester in half a new share to some other shareholders rester in half a new share to some other shareholders rester in half a new share to some other shareholders rester in half an enw share to some other shareholders rester in half an enw share to some other shareholders rester in half an

The discussion was adjourned until the next meeting, Tuesday, Dec. 10th, when the following paper was announced to be read:—"Description of the Royal Border Bridge, built over the River Tweed, on the line of the York, Newcaste, and Berwick Rollway," by Mr. G. B. Bruce, M.I.C.E.

The number of passangers who passed through the Tunnel in the week ending Nev. 30, was—No. of passengers, 18,287.—Amount of money, £83 14s. 9d.

KI

catio

died teres divided and divided and divided and percent and three household min miss of act took so had und to brow as a second and and took so he is che in get the son is mir men move as a second and the son an

The directors informed yos, in they last half-yearly report, that they had placed the company's steam-vessel. the Lady Mary Wood, to ply on the north coast of China, between Hong Kong and Shanghee. The earnings of this vessel, up to the month of July last, proved remunerative to the company, and her services on this line were highly appreciated by most of the merchants and other residents in China, as a means of facilitating commercial intercourse, as a check to piracy, and as a postal communication. In regard to the latter, memorials, numerously and influentially signed, have recently been forwarded from China, and also from Bonbay, praying her Majesty's Government to enter into an arrangement with this company to secure a regular and permanent ateam postal semmunication on that line. A circumstance, however, occurred in June last, at Shanghae, which has compelled the directors to order this vessel to be withdrawn from that station. It appears that, in taking up this line of service, the steamer became placed in competition with a certain class of British sailing vessels trading on the same coast. These sailing vessels are in the habit of discharging and receiving their cargoes at a place asiled Woosang, which is 18 miles distant, by water, from Shanghae, and is considered beyond the limits of that port, and consequently out of the Jurisdiction of the British Consul. Vessels using this place are, therefore, exempt from port charges; and, having to deal only with the Chinese authorities, merchants and others, shipping goods, obtain cartain privileges and exemptions, it appears, in respect of duties, which they cannot obtain at Shanghae. The company's agents in China had adopted the same arrangements for the Lady Mary Wood, in respect to her using the anchorage at Woosung for receiving cargo, Sec., as were practised by her competitors, the sailing vessels, and in the motter, who fined the shipper \$300; and on the return of the Lady Mary Wood, at Woosung, upon which it appears, to claim the interference of the Br

of service which has been so much appreciated by the great majority of British residents in India and China.

Approximent of An Addition.

It is with deep regret that the directors have to reput the decesse of Jameson Hunter, Eq., one of the auditors of the company. At a special meeting of proprietors, held on the 12th thit, for the purpose of electing a qualified proprietor, for fill the vacant office, Bakes Currie, Eq., M.F., was unanimously elected to it. The directors feel assured that the well-known position of this gentleman in commorcial life will onsure the approbation of the shareholders at large of the choice made by the special meeting.

As this report completes the first 10 years of the company's establishment, the directors may be permitted to offer one or two observations on its past history, its present position, and its future prospects. If its progress up to the present time has been marked by a degree of prosperity which few enterprises of a similar nature have been fortunate enough to experience, that prospecity, they venture to assert, has not proceeded so much from adventitions orientes the store of the contracts of the company of the public services in which it is now employed, until it had first placed itself, by its own enterprise, in a position to undertake them on more favourable terms for the public tender could be otherwise obtained; and it has executed those services with efficiency—to the due fulfilment of its contracts, and to the satisfaction of the Government. It has now attained to a magnitude considerably surpassing that of any other private steam navigation enterprise. Means have been provided for maintaining the integrity of its property, and the position which it has now acquired, enables it to execute any future services which it may be called upon to undertake, for the improvement of either commencial or postal intercourse, on more advantageous terms for the public than any new enterprise can offer; and, or these solid grounds, the directors consider that you may look wit

The directors now recommend that the usual dividend of 4 per cent., for the half-year nding on the 30th of September last, be declared, and be made payable on and after he 23d instant.

timed success.

The directors now recommend that the usual dividend of 4 per cent., for the half-year ending on the 50th of September last, be declared, and be made payable on and after the 23d instant.

The report was received with applause.

The CHAIRMAN stated that the dividend of 4 per cent. was to be made without any deduction for income tax.

General BRIGGS, in moving the adoption of the report, said it was a most east state for one one tax.

General BRIGGS, in moving the adoption of the report, said it was a most matight be wished. He had carefully examined the accounts some days before the meeting, and the explanations which he had received from the managing directors were most satisfactory. He was glad to perceive that they were about to add 30,000L to their insurance fund, which he thought a most prudent arrangement. Fortunately they had-had few canadities during the past year. He found they had cash assets in Exchequer Bills, and other securities, to the amount of 140,000L, and good bills to the extent of 188,000L, besides other property. The dividends, although most satisfactory, were not too much, when it was considered that they ran a great risk. There was a question mooted in the report with respect to the Australian service, but he would not then discuss it, but would do so afterwards. He begged to move the adoption of the report.

Dr. Beath seconded the motion. The total income for the year was larger than during the preceding year; and although it would admit a larger dividend than 8 per cent. Sill he was quite satisfied with it, and with the general management of the directors, who had done everything they could. The proceeding in China with respect to the Lady Mary Wood appeared to him to be most improper and unwarrantable. Speed was an object of great importance to traders, and the vessels gave, in that respect, general satisfaction. He was happy to be able to corroborate the report of the directors with respect to the transit from Alexandria to Suez. They owed their success to a management

| STEAM FLEET OF THE FEMINISTREES | SUBSTRICT | SUBSTR
 Achilles
 1000
 420

 Malka
 1225
 450

 Braganag
 800
 280

 HONG KONG AND SHANGHAE
 260

 Lady Mary Wood
 650
 260
 NEW SERVICE. Total 27,155

New Steam Marine Bill.—There are at the present time 1110 steam-vessels in the mercantile navy of Great Britain, and upwards of 3000 accidents have occurred betwirt steamers and sailing vessels within the last three years. The attention of Government having been drawn to the numerous accidents, Capt. Denham, R.N., F.R.S., was appointed to proceed to the various ports to which the vassels belonged, and in many instances to the nearest places where the accidents occurred, to make inquiry into their causes, and succeeded in obtaining much valuable information on the subject. The gallant officer is now engaged with the legal authorities in drawing up a Bill, to be brought before Parliament next session, for the better regulation of the steam marine navy, and to compet those in charge of them to adopt greater precautionary measures than they do at present, the Acts of Parliament previously passed being in so many instances inapplicable, and not by any means imperative enough, or sufficient to award punishment for neglect of the regulations. It is feared, however, that the new Bill will not be made perfect until all sailing vessels, as well as steamers, are compelled to show lights at night.—Dully Ness.

KINGSETT AND BEDFORD UNITED MINING COMPANY.

KINGSETT AND BEDFORD UNITED MINING COMPANY.

We are glad to perceive that the affairs of this mine, noticed in two former Numbers of our Journal, have assumed a more pacific aspect since our publication of last week. It is always to be lamented when accusations are bandied about, by which a want of confidences is induced in those to whom the interests of the shareholders are entrusted, since a mine, any more than a house, divided against itself, cannot be expected to possess the elements of stability and profit. In this case the opposing parties, fortunately for themselves, have perceived the danger to which the interests of the mine were exposed, and by a timely exercise of a little mutual forbearance, have averted the partir which appears in another operation of the proposed of the conflowing and the proposed in the proposed in the partir which appears in another proposed, and by a timely exercise of a little mutual forbearance, have averted the partir which appears in another proposed in the proposed in

IMPORTANT MEETING OF THE COAL TRADE.

IMPORTANT MEETING OF THE COAL TRADE.

A most-sistuential meeting of the merchants and coalowners of Newcastle-on-Tyne, and surrounding districts, was held on Tuesday at the Guidhall in that town, to consider the great inequality between the duty upon Belgian and upon English coal, as levied by the French Government. The Mayor of Newcastle, W. Armstrong, Esq., was in the chair, and amongst the gentlemen present we observed, Matthew Bell, Esq., M.P., W. Hutt, Esq., M.P., the Hon. H. T. Liddell, Hugh Taylor, Esq., chairman of the coal trade, and agent for the Duke of Northumberland, N. Hindbaugh, Esq., agent for the Marquis of Londonderry's collieries, H. Morton, Esq., agent for the Earl of Durham's collieries, Alderman Lamb, Alderman Carr, Nicholas Wood, Esq., &c. A letter was read from the Marquis of Londonderry, apologising for his absence from indisposition, and expressing his opinion that the British Government should be requested to apply to the Government of France for an equalisation of the duties which the meeting had been called to consider.—The Hon. Mr. Liddell moved the first resolution, and read a statement showing that Belgian coals were admitted into France by land at a duty one-fifth less than the duty charged upon all sea-borne coals. He attributed the origin of this difference to the policy pursued by the late King of the French, Louis Phillippe, which frequently had for its object the aggrandisement of his own family rather than the promotion of the interests of France.—Robert Plummer, Esq., next addressed the meeting, and read a statement, from which it appeared that the quantity of coals brought into France from Belgiam had increased from 781,189 tons in 1837 was 259,273 tons, and in 1849 was 611,801 tons. Of Belgian coke, the quantity sent to France in 1837 was 56 tons, and in 1848, 102,325; whilst of English coke the quantity in 1837 was 56 tons, and in 1848, 192,325; whilst of English coke the quantity in 1837 was 56 tons, and in 1848, 192,525 tons.—Mr. Nicholas Wood said that in the vicini

EXPERIMENTS IN STEAM NAVIGATION —The Resemend steam-sloop is again in an advanced state, and will soon be ready for sea. The Board of Admiralty have issued an order to make a series of experiments with her four boilers and engines of 286-horse power. The experiments commenced on Wednesday morning, under the superintendence of Mr. John Trickett, assistant to the chief engineer at the factory at Woolwich Dockyard, and will be concluded in the course of maxt week. These experiments will furnish correct data of the amount of evaporation of water with the whole four boilers, or when only working two boilers. They will also afford a test as to the best description of coals for generating steam—each kind of coals being weighed before being put into the furnaces. The result of the trial is looked forward to with great interest, as every preparation has been made to make it a fair criterion.

THE GREAT EXHIBITION—PATENT LAW REFORM.—The Gasette of Tuc day last gives the order issued by the Board of Trade, pursuant to the Pro-sional Registration Designs' Act (13 and 14 Vic., cap. 104) authorising the e-hibition of provisionally registered designs in the building for the Great E-hibition in Hyde Park, thus providing that anything exhibited, which has be previously registered, shall be protected according to the terms of the Act.

VALUABLE DISCOVERY.—We learn that an additional feature of interest falls to be added to the geology of our country, already rich in variety, in the recent discovery of a vein of the sulphate of barytes, the terra ponderosa of the earlier mineralogists, in the conglomerate of Gamrie. The vein is of considerable dimensions, and, by specimens which have been put into the hands of chemists, proves to be rich in that peculiar earth. It is known that this earth is very frequently associated with several of the more valuable ores. We believe the merit of ascertaining this fact in connexion with our locality is due to the Rev. Mr. Harris, Gamrie. We also understand that the same gentleman has pointed out several voins of the peroxide of manganese, in the same formation, which, so far as it appears, have hitherto escaped observation. Some of these are rather large, and the mineral, as determined by chemical analysis, is abundant in the metal. It is entirely free of iron, which is rather unusual—Banffaire Journal. VALUABLE DISCOVERY.—We learn that an additional feature of interest falls

MINING IN SOUTH AUSTRALIA

[FROM OUR OWN CORRESPONDENT.]
[Concluded from last user's Mining Journal.]

The result of the land sale created not a little consternation among the banks the Government have for some time past required that all land shall be paid for in gold, which, instead of being deposited in the three banks, as it is done in Sydney and Melbourne, is here locked up in the "Treasury." The immediate consequence of the withdrawal of 30,000% in gold from the banks would carry with it a curtailment of the discount accommodation afforded to the general customers of the banks of 3L for every 1L withdrawn, or in one sum of 90,000%. A severe monetary crisis must have been the inevitable result; and the managers of the three banks lost no time in soliciting an interview with Sir Henry Young, to make known to him the danger which would accrue to ness transactions of the place should he insist upon taking this gold out of circulation. The practice of the Government has been to make their remittances to England for emigration purposes (to which the proceeds of lancases are in great part applied), through the medium of the Colonial Commis

sales are in great part applied), through the medium of the Colonial Commissariated drafts on the Lords of the Treasury at par, in exchange for the gold; and it has, I believe, never happened that it was necessary to high good to Hobart Town or Sydney, as the local banks generally found it convenient to take the name of the convenient of the colonial banks want to draw on London, where goin exchanged for the Commissariat drafts. Just now, however, the circumstances are altered. All the colonial banks want to draw on London, where, from the later rise is awoot, a large balance remains in favour of the statiralism colonia, which the London owing to this, the Adelaids banks could, of course, not draw on Sydney or Hobart Town, except at a great disadvantage, whilst it would be a material advantage, particularly to the Bank of Australais, to receive the gold from the Government here, and to give drafts on the London office for the amount.

Monoy matters, that it took a great deal of prevassion to move them from the old "hundrum" course of preferring Commissariat paper to the drafts offered, in this case, on equally advantage, out the London office for the amount. A contract of the con

Adelaide, July 20.

P.S.—I forgot to mention, that there has been a tremendous panic in the Royal Mining Company's shares; the sections which fell to their lot, after the Burra Company has taken their first choice, did not show well on opening the ground, and a regular rush was made by speculators to got rid of their shares as fast as possible. Some succeeded, but now the shares are unsaleable. This shows how little real legitimate mining investments are made in this colony; the great object with all is—get up the shares as high as possible—sell out—and (to use a homely phrase) "the d—I take the hindmost."

ADELAIDE, AUG. 28.—The mining interest is active, and the market very firm. Burra Burra shares had advanced to 2011. to 2031. each; Princess Royal, 25; Britannia, 21. 5s.—Port Lincoln, 61. 10s. to 71.; Pheenix, 76 to 100 per cent. advance on deposit; Adelaide, 11. 2s. to 11. 5s.; North Kapunda, 11. 2s.; Mount Remarkable 101.; Mount Liverpool, 81.; Strathalbyn, 51.; Royal Mining Co., 11. 10s. to 11. 11s.; Victoria, 6s.; Wheal Barton, 51. 5s.; Wheal Gawler, 61.; Wheal Margaret, 31.; Wheal Maria, 11. 10s. 11. 11s.; Wheal Friendship, 91. to 91. 10s.; Bredalbyn, 10s. to 15s.; Enterprise, 21. 10s.; Wheal Emma, and Mary Consols, at par. It will be seen by the above that several new mines had been opened. An important discovery had been made at Montacute.—The freights to Great Britain were—copper ore to Swansea, 31.; and to London and Liverpool, 21. 10s. per ton.

THE GOLD OF CALIFORNIA-REMARKABLE ESTIMATE OF THE EXPORTS OF GOLD.

The annexed statement exhibits the amount of gold dust shipped from San Francisco, by the steam-ships leaving that port for Panama, from the 11th of April, 1849, to the 4th of October, 1850:—

Dates.	Passen	gers.	Gold D	ust.	Date	u.	Passen	gers.	Gold Du	at.
April 11	71		166,638	07	May	1	88	8	1,386,496	03
May 1	54		340,553	35	June	1	246		2,344,324	04
June 20	74		345,820	24	Table.			orton and		_
July 2	35	******	263,164	44	W 5 816		3173		13,329,388	
Aug. 2	110		533,562	93	July	1	182		1,800,000	00
Sept. 1	***** 253		\$75,500	70			_	1000		-
Oct. 1	281	*****	293,891	62	T	'otal	3355		15,129,388	62
Nov. 1	219		915,717	09	July	15	********		1,076,043	
Nov. 15	258		420,062	00	Aug.	1	** ** ** **		1,961,862	
Dec. 1	157	*****	707,294	88	Aug.	15			773,257	00
Jan. 1	278	*****	896,463	57	Sept.	1			1,500,000	00
Jan. 15	237		355,306	93	Sept.	15			1,700,000	00
Feb. 1	202		658,982	09	Oct.	1	********		1,800,000	
March 1	248	1	,138,709	76	Oct.	4	********		1,250,000	00
April 1	229	1	,453,634	42						-
April 20	116	******	568,886	56	1	To	tal	Si	25,100,550	62

March 1 286 1,138,709 76
April 1 299 1,455,634 42
April 20 116 568,886 96
Total 525,100,550 62
The amounts named above are merely the sums on the freight list of each steamer. The amounts brought by passengers are only guess work; and although they have, without doubt, been large, it is hardly possible to form even an estimate approximating the truth. Sailing vessels from San Francisco direct to this and other Atlantic ports, to Panama and other ports of the Pacific, have taken many millions of gold dust. It appears to us fully safe to estimate an exportation of, at least, \$50,000,000 gold dust from San Francisco by sea within the above-named period. It will be seen that since February last the monthly shipments have been very large compared with those made previously—the inference from which is, that the great increase in the number of miners has proportionally increased the product. In August the shipments amounted to \$2,735,112; September, \$3,200,000; and in the first four days of October, \$3,000,000. This is an average of about \$3,000,000 per month, provided no more shipments are made in October. We, however, make no such provision, for it is our impression that the steamer, or steamers, which left San Francisco on or about the 15th October will bring between two and three millions of gold dust, which, added to the amount above reported, shipped since the 1st Oct. We can well recollect the time, within the past three years, when an arrival of \$2,000,000 or \$3,000,000 of specie from any other part of the world would have created as great an excitement in financial and commercial circles as any event we can call to mind. That was when the coin was merely transferred from one commercial point to another; but now, when we are receiving \$3,000,000 and \$4,000,000 a month—month after month—direct from the mines, and when it is so much added to the supply of precious metals in the world, it hardly causes a remark, and has no visible effect upon the movements of commerce. Those who are looking back to the stock spec

few Batents.

SPECIFICATION ENROLLED DURING THE PAST WEEK.

SPECIFICATION ENROLLED DURING THE PAST WEEK.

G. H. Fond, of St. Martin's-le-Grand, gentleman: For improvements in obtaining power. The "power" proposed to be obtained by Mr. Ford is, as will be perceived from his claim, neither more nor less than the long-sought-for "perpetual motion."

Claim.—'I claim the adaptation of certain principles of nature to machinery, using as a principal vehicle the well-known and used laws of centrifugal force, to avail myself of the laws that govern elastic fluids, heretofore unknown as a motor, and whereby I am enabled to destroy the equilibrium of power between the moving parts, precisely as in the steam-origine; and I am enabled to keep up this destruction of equilibrium with much less power than is produced thereby; and the power so to be, and that can be produced, is limited only by the capability of matter and machinery to sustain it, and is in principle infinite"!

LIST OF PATENTS GRANTED DURING THE PAST WEEK.

LIST OF PATENTS GRANTED DURING THE PAST WEEK.

T. Watson, of Rochdale, Lancaster, hat manufacturer, for improvements in the manufacture of hat plush, and also in machinery or apparatus employed in such manufactures. R. Shiers, of Oldham, Lancaster, manufacturer, and J. Heginbottom, of the same place, manager, for improvements in the manufacture of textile fabrics.

J. Bernard, of Green-street, Grosvenor-square, gentleman, and J. B. Durenille, of 30, Cito of boots and shoes, and in the materials and machinery or apparatus to be employed. B. Hinley, of Birmingham, brassfounder, improvements in the manufacture of castors, J. A. Franklinsky, of Stanhope-place, Middiesex, gentlemen, for improvements in public carriages for the conveyance of passengers.

E. Riepe, of Finsbury-square, London, merchant, for improvements in refining steel. J. Platt, of Oldham, Lancaster, engineer, for certain improvements in machinery or upparatus for spinning and doubling cotton, and waving cotton, fax, and other fibrous substances.

DESIGNS FOR ARTICLES OF UTILITY REGISTERED.

DESIGNS FOR ARTICLES OF UTILITY REGISTERED.

W. Stidolph, Bath, the chiragon for teaching and enabling the blind to write.

P. Diamore and Son, Clerkenwell-green, spring bott.

W. Southam, Nuneaton, self acting millstone ventilator.

J. Gail, Pottamouth, cape.
Lincoln and Bennett, Sackville-street, Piccadilly, ventilating hunting cap.

Solomon, Commercial-place, City-road, marine balance time-keeper.

Parker, Montpellier-avenne, Cheltenham, lady's railway portmanteau.

H. Guiter, Birmingsham, button.

R. and H. Williams, Ludgato-hill, self-opening parasol.

Estam-engines.

Whitehead, Charlestown, Pendleton, valve box and valves for the supply-pipes of.

Oldham, Manchester, shirt.

Bally, Mount-street, Grovenor-square, pheasant, poultry, and cattle fountain.

Rigpy, Grove-street, Liverpool, apparatus for burning spirits for the purpose of obning heat for portable cooking apparatus.

Clayton, Lymington, Hants, gun-maker, tube for Col. Hawker's new ignition.

L'Avigg, Dirmingham, dress fastener.

Oldham, Manchester, shirt front.

Largrave, Harrison, and Co., Wood-street, Cheapside, parasol.—Mechanics' Magazine.

Instantaneous Ærated Liquor Machine.—Among the many novelties of this "patent age of new inventions," we have had our attention directed to an elegant and highly useful apparatus, introduced and patented by a Mr. Bassett, by which soda water, effervescing lemonade, and other cooling drinks of a similar description, can be prepared in one or two minutes with the greatest facility, and at a merely nominal expense. It consists of a small cylinder, 5 in. long by 2 in. in diameter, with a top which unscrews; from which projects a cork screw, having a hollow axis open to the inside of the cylinder, and small holes for the escape of the carbonic acid gas. The cylinder being charged with carbonate of lime and dilute sulphuric acid, the worm is screwed through the cork of a bottle filled with common water, which, becoming saturated with the gas, in a very short period produces a soda water unsurpassable in quality. Gooseberry and other common British wines, the light wines of the continent, and every description of drink, may be thus treated with carbonic acid to any extent of effervescence required, and simulating champagne. The apparatus is carried in the pocket without the slightest inconvenience, and, for travellers and domestic purposes, must prove highly advantageous. To persons engaged in mining enterprises and similar pursuits in Mexico, Brazil, and other tropical climates, this ingenious little instrument will prove most valuable, the only stock in hand to enable it to work being some chalk or broken marble, and dilute sulphuric acid. Messrs. Wheatly, of Leadenhall-street, are the agents.

The difficulty attending the destruction of the vermin of various kinds, by which our dwellings are so often infested, is well known, and arises, doubtless, chiefly from the extraordinary powers of increase with which such noxious intruders are endowed. When we are told that from one female bug no fewer than 22,000,000 of bugs can be hatched in one year, and that a pair of rats, with their almost unlimited number of descendants, will, in three years, conwickly the such as the such with their almost unlimited number of descendants, will, in three years, consume food enough for about 50,000 mem—the fecundity of other vermin being in proportion—it may be easily conceived that the results of their voracity, to say nothing of other nuisances consequent on their presence, convey the idea of something fearful. Under such circumstances, the importance of some mode by which mice, rats, bestles, bugs, &c., shall be effectually destroyed, and which at the same time induces no concurrent inconvenience, will be fully appreciated. Such an agent is stated to be found in the "Vermin Annihilator," invented by Messra. Bradfield, Camming, and Co., which is said to destroy by evaporation, reducing the vermin under its operation to a powder. After many successful trials, it is now publicly introduced; and in one case, mentioned to us on undeniable authority, a basement of a aobleman's mansion, which had awarmed with beetles and cockroaches, was entirely cleared by the application of the material for a single week—its efficacy being so powerful as to cause their entire disappearance. Not the least recommendation of the "annihilator" is, that it can be placed at night and removed in the morning, and that cats and dogs will not touch it. With such advantageous qualities, it can hardly fail to attract the attention and patronage of careful housekeepers.

HOLLOWAY'S PILLS A CERTAIN CURE FOR DEOFREY.—Extract of a letter

hardly fail to attract the attention and patronage of careful housekeepers.

HOLLOWAY'S PILIS A CERTAIN CURE FOR DROFSY.—Extract of a leiter from Mrs. Leedham, of Leamington, dated Oct. 15, 1850.—"To Professor Holloway—Fir.—It is with gratitude that I write to inform you of the wonderful cure effected on myself by taking your pills for a severe case of dropsy. The disease appeared about five years ago, and, notwithstanding the various remedius tried, and the different medical men I consulted, all seemed unable to check its progress. At last I was so much swolked that I could exarcely walk. At this crisis I commenced taking your invaluable pills, by means of which, and strict attention to your printed directions, I am now perfectly cured.—Sold by all druggists, and at Professor Holloway's establishment, 248, Strand, London.



Mining Correspondence.

BRITISH MINES.

BRITISH MINES.

ALFRED CONSOLS.—The 89 fm. level is driven east of Field's engine shaft 8 fms.—this driving presents no new feature since the last report. The men the were sinking No. 1 winze under the 70 fm. level, east of said shaft, are for the present to stope a piece of ground west of said winze, until the water is drained by virtu of the 80 fm. level. The lode in No. 2 winze is 4 ft. wide, and apparently will soon reach to 6 ft. in width, worth for copper ore 1600, per fm. The lode in the 70 fm. level, east of engine-shaft, is in the present end from 4 to 5 ft. wide, worth from 1001, to 1201, per fm. and from the appearance of the lode in the winze sinking under the 60 fm. level east, we spect it will soon calarge and improve in value; it he lode in the winze is quite 7 ft. wide and will produce at least 20 tons per fm., worth 1400, per fm. The lode in the 60 fm lovel east is about 4 ft. wide, containing mundic, spar, capels, and a small quantity of copper cree. No other change since the last report.

and will preduce at least 20 tons per fm., worth 1800, per fm. The lode in the 60 fm. over east in about 4 ft. wide, containing munici, spar, capels, and a small quantity of copere cree. No other change since the last report.

— The following is a report from Capt S. H. Thomas, manager of the Alten Copperworks, in Norway, after a private inspection of the mine:

— Dec. 3.— Yesterday I inspected the Alfred Coasels, and there found the lode equally good as reported. For a depth of 35 fm. below the adit the engine-shaft has been sunk in dead ground, but at this depth the west end of their present rich bunch of ore was inspected. The dip of the ore in the lode is casterly, whilst the underlay is northerly, above the 60 fathom level there is not much ore in sight, but in the easternmost winze, inking under the 60, there is a most splendid, and apparently an improving lodes; in he bottom of this level there are extensive and good reserves of orey ground, which will be taken away with great advantage as soon as the level is holed with Wyld's shaft, which is expected to take place in about a month hence, when the returns of ore will be much necessed, and, consequently, the profits will be proportionately larger. The 70 fm. level a wary splendid, with a large tich, and regular lode; winze No. 1 in this level, as you are ware, passed through the dip of the ore, but to the depth of 6 fms. or 7 fms. under the kert the lode was very rich, and productive. No. 2 winze, still further on, about fms. below the bottom of the 70, contains a splendid course of ore, which appears to be pening in depth, and a very perceptible improvement in the quality of the lode has taken lace within the last few feet. The 80 fm level has only been commenced very recently, and has not yet been driven far from the shaft; it contains as yet but very little ore, ut on advancing a few fathoms farther easterly, I am firmly continued that the bed of careful to the feet of the fath of the feet of

west of Andrew's winze, by setting-day, the 6th inst. The lode in the 105 fm. is 4 ft. wide, and still yielding 10 tons of ore per fm. In the 90 fm. level east is 18 in. wide, producing a little saving work; in Arssoft's winze in this level is worth 7 tons of ore per fathom. We are driving by the side of the lode in the rel. The ground in the 47 fm. level north continues favourable; on the whole cets are very encouraging. BEDFORD UNITED .- We shall cut into the lode in the 115 fathom level.

cur prespects are very encouraging.

BODMIN CONSOLS.—Saturday last being our setting-day, I set the engine-shaft to sink 10 fms. for 120%, being 12% per fm., to nine men, which I expect to be completed in three months. The 13 fm. level aorth to three miners and three labourers, at 31. 3s. per fm.; we have some good stones of lead in this end; the lode is 4 ft. wide; ditto south let to two miners and two labourers, at 44. 4s. per fm.; this ond-is looking more favourable; the ground is easier for driving, and the lode looks more permising than for some time past. No. 1 wines count is suspended, in consequence of water. We are now sinking No. 2 wines south; here we have the lode very large, with lead interspersed throughout; I think we are very likely to see something good here, BRYN-ARIAN.—The lode in the 20 fm. level, west of the engine-shaft, is still large and crey, rather improved since last week. The lode in the 10 fm. level west is 8 ft. wide, and, although crey, is not rich. The stope in the back of this level is now yielding 12 cwts. of ore per fm. We have suspended the driving of the adit west, and commenced sinking a winse to commanicate to the level below; when this is completed we shall be enabled to set another stope, west of the present one, in the back of the adit cred. The stope in the back of this completed we shall be enabled to set another stope, west of the present one, in the back of the adit cred. The stope in the back of this cave, at Pensaru, is in full course.

BRYNTAIL.—The eastern stope in the 10 fm. level will now produce 2½ tons

BRYNTAHL.—The eastern stope in the 10 fm. level will now produce 2½ tous or fm.; the 10 fm. level going east will produce 2 tons per fm. The western stope in so 5 fm. level will produce 3 tons per fm. The western stope in so 5 fm. level will produce 3 tons per fm. The fourth cross-cut driving north will produce 1 tons fm. We continue to got fine stones of ore from the lode at boundary, but ave not yet got through it. I calculate we are breaking from 45 to 50 tons monthly, the our present force. Our field of machinery is insufficient to dress that quantity until ne cretcion of the crusher now coming from Cornwalt. I shall forward 20 tons to Bagiltinia work for asis.

cal week for asie.

CALLINGTON.—The lode in the 125 fm. level north is about 10 in, wide, pening tribute ground; the lode in the 125 fm. level south is 6 inches wide, producing ones of silver-lead ore. We have commenced sinking the diagonal shaft below the 55 fm. level—price 164, per fm.; we expect to sink this shaft from 2 to 3 fms. before string the lode in the 13 fm. level south is 9 in, wide, yielding work of coarse quality. The punt-house shaft is sunk between 2 and 3 fms. below the 109 fm. level; we expect to est with the lode in the shaft about the 119 fm. level. At the south mine, in the 117 m. north, the lode is 1 ft. wide, producing from 3 to 4 cwls. of silver-lead ore per fm. t Kelly Bray, the shaftmen are still engaged in cutting plat is the 50 fm. level; but aff from the 40 to the 50, fix plunger lift, &c., at the latter level, preparatory to our sking below. The lode in the rise in the back of the 70 fm. level is 4 ft. wide, producing on 3 to 3 tons of copper ore per fm.

from 7 to 3 tons of copper ore per fin.

CALSTOCK UNITED.—Our setting day was on the 30th Nov., and we have had a well-attended survey. The various levels are taken at about the same prices as last month, which you will see by the list sent. The 28 fm. level, east of Caroline shaft, or a caunter lode, has produced in small quantities some very rich staff in lead and silver ore, indeed, it is of a splendid quality; in this level they are driving through good tin ground, with the main part of the lode standing. The tribute department is producing a fair quantity of good work. We have a pile of very rich this stuff from the western pitch. Our first carge of ore is nearly ready for shipment; this having been raised at 5s. in the 1L, will, after paying dues (1-20th), leave the adventurers a profit of 70 per cent. The surface operations are as forward in reference to the engine as the engineers. A highly respectable agent has offered to take for 12 months the whole run of our silver lode, and give us 10 per cent. on the gross produce, which the directors will not entertain.

CWMYSTWITH.—The lode in the 30 fm layst was the varyet is varyet to a constitution of the company of the

CWMYSTWITH .- The lode in the 30 fm. level west is very strong, with

mpling nest Monday.

DEVON AND COURTENAY.—The lode in the 60 end east is getting into titled ground, and forming itself more regular, and assuming a better character than it d before; it is composed of peach, prian, mundle, quartz, and copper ore; the west end at present poor. The men are progressing well with the south end, and the pitwork in good condition. Our works are all progressing well.

EAST CROWNDALE .- The middle shaft is down 9 fins. 4 ft. 6 in below EAST CROWNDALE.—The middle shaft is down 9 lins, a it. 5 in below et 40, and will reach the 50 fm. level by the end of next week, whom we shall commence fiving east and west; the lode in the bottom of the shaft is large and well-defined, proceing good awing work. The 40 east has been driven about 25 fms. through a large oductive lode, which has been, and still is, laying open fair tribute ground. Our hopes every sanguine that the 50 east will turn out well. The 40 west is suspended, in order part the usen to sink a winze in the bottom of the 28 fathom level, to be down in time sinks the 40 east reaches that point; by so doing it will facilitate our tribute departmin. No alteration in our tribute pitches to notice. We hope to sample September and

EAST SHARP TOR.—The underlay of the wall, alluded to in my last, out 5 ft. in a fin. We have cut through it, and find more lode of a promising deser, composed of quartz, spar, peach, strong capels, with mundic, and beautiful spot at 5 ft. in a fm. We have cut through it, and find more lode of a promising descrip, composed of quarts, spar, peach, strong capels, with mundic, and beautiful spots of y, and yellow copper ore interspersed throughout it. We shall continue to sink perdicularly, until we reach the north wall of the lode. A slight delay in sinking has en place since my last, in consequence of the bottom lift, which is a 7-inch one, being small to keep the water property under control. I am glad to asy that difficulty is covercome, by fixing an 5-in. one in its place, which keeps the water at present under control.

EAST TAMAR CONSOLS,—In the 70 fm. level, north of Furzehill shaft, the lode has been gradually improving during the past month; it is now 3 ft. wide, composed of a tender can, and worth 6 cwrs. of ore per fathorn—the end has been extended 5 fms. 4 ft. 6 in. In the 60 fm. level north the lode is 3 ft. wide, and worth 7 cwrs. of cre per fm.—the end has been extended 5 fms. 1 ft. during the past month. In the 21 fm. level, south of Caroline's shaft, the lode is 2 ft. wide, composed of can and gossan, worth from 3 to 6 cwrs. of ore per fathorn; the end has been extended 6 fms. 0 ft. e in. during the month, and conlinues to be easy for driving. In the 26 fm. level, north of Church-lasse shaft, the lode is 4 ft. wide, and worth 7 cwts. of lead per fm.; the end has been driven 2 fms. 3 ft. in the past month, the men were employed a part of the time rising to the level above, so as to improve the ventilation. At Guilett's shaft we have a considerable increase of water owing to fits late heavy rains, and the men were prevented working nearly the whole of last week; it is now receding, and I expect it will be forked by to-morrow morning. At Caroline's shaft all operations below the 22 fm. level are of necessity suspended, in consequence of the water not being drained as before by the 60 fm. level, south of Furzehill, and we have resumed driving that level, the end being 2 or 3 fms. north of the shaft; we hope this will lat down the water from the shaft, if not we purpose to rise against it. The tribute department continues to improve, and there is no doubt we shall increase our returns. The 64 tons of ore purchased by Mesara, Walker, Parker, and Co., has been weighed and shipped on the 2d inst., the actual quantity being 64 tons 3 cws.

EAST WHEAL GEORGE.—To-day, being our usual monthly setting, we

quantity being 64 tons 3 cwts.

EAST WHEAL GEORGE.—To-day, being our usual monthly setting, we let the following bargains:—The 13 fm. level, west of the engine-shaft, by two men, at 21. 5s. per fm., tode small and unproductive at present; this level is extended about 45 fms, west from shaft. The 12 fm. level east, by six men, at 21. 10s. per fm.; the lode in this end is 3 ft. wide, regular and defined, composed principally of capel, spar, peach, and mandles. This stopes in the back of the 12 fm. level, west of shaft, and west of Crovi's rise, by two men, at 16, per fm., lods worth 151, per fm.; the stopes in the back of the 12 fm. level, west of shaft, and to the wast boundary of Leseich's land, by two men, at 30s. per fm., lode producing fair work. We set a rise in the back of the 12 fm. level, west of

the engine-shaft, in Leach's land, by four men, at 11. 10s, per fm.; we hope, when this

he floors. We are now preparing another parcel for market from Adam's land.

EAST WHEAL JOSIAH.—The lode in the adit end south is still large; re are carrying about 3 ft. of the western part, which is composed principally of flooken, par, mundle, &c.; the ground is favourable for driving, the price being 45s, per fm.

EAST WHEAL LEISURE.—The newly discovered lode has been cut into ft., and no south wall yet; it is a fine lode, composed of strong yellow ore and spart, ith a little white lead. A good pile of work is already drawn to surface, which will be ided to in a few days. The lode in the winze sinking under the adit is a ft, wide, composed of fack and ore.

dded to in a few days. The lode in the winze amaing under the anis is a it, wine, comceed of fack and ere.

ESGAIR LLEE.—Our setting was on the 30th Nov., of which the following
an account:—The deep adit, east of Owen's winze, on the caunter lode, by six men,
fins. stent, or the month, at 44, per fins.—lode poor at pressest. The 12 fin, level, east
of Morgan's winze, by six men, 4 fins. stent, or the menth, at 44, per fin:, the lode is
oking promising, yielding about \(\frac{1}{2}\) ton of ore per fin. To stope in the back of the deep
dit, east of Owen's winze, by four men, \(\frac{1}{2}\) fins. stent, or the month, at 2\), per fin., lode
diding about \(\frac{1}{2}\) ton of ore per fin. The atopes in the back of ditto, east of Harding's winze, by
four men, \(\frac{1}{2}\) fins. stent, or the month, at 2\), per fin., lode yielding
bout \(\frac{1}{2}\) for of ore per fin.; the stopes in the back of ditto, east of Harding's winze, by
is men, \(\frac{1}{2}\) fins. stent, or the month, at \(\frac{1}{2}\). To so of ore
eer fin.; the stopes in the back of \(\frac{1}{2}\) fin. level, west of Harding's winze, by four men,
fins. stent, or the month, at \(\frac{2}{2}\), per fin., the lode in this stope will yield, on an average,
rour \(\frac{1}{2}\) to \(\frac{1}{2}\) for morth, at \(\frac{2}{2}\), \(\frac{1}{2}\) for in, the lode in this stope will yield, on an average,
rour \(\frac{1}{2}\) to \(\frac{1}{2}\) for men, \(\frac{1}{2}\) the interval, the lode in this stope will yield, on an average,
rour \(\frac{1}{2}\) to \(\frac{1}{2}\) for men, \(\frac{1}{2}\) the stopes in the back of ore per fin., the stopes in the back of this lovel, east of Morgan's
rings, by four men, \(\frac{1}{2}\) fins.

ton or are per rations.

HEIGNSTON DOWN—The lode in the 45 fm. level, east of Doidge's winze, 3 ft. wide, carrying a small proporties of copper ere; the lode in the winze sinking slow this level is 2 ft. 6 in. wide, i ft. of which is good saving work for copper ere. The do in the 35 fm. level is 3 ft. wide, producing occasional stones of ore; the rise above its level is without alteration; the ground in the cross-cut south is eased for driving. Raturday last we set Hitchens's shaft to sink below the 35 fm. level, by six men. The de in the 35 fm. level, west of Hitchens's shaft, is much the same as last reported on.

pipes now in the 120, and save the expanse of making new ones to fix in the 70 fm. level, which must be done before we can commence driving it. When this is done, a thorough ventilation will be effected from Hitchins's to Wall's engine-shaffs, from the 100 to the 120 fm. level. We think that the last-named shaft will have to be sunk, say, 20 fms., at no very distant period, and then cross-cut north to intersect the main and south locus-and south, to cut the flap-lack lode, and at that depth extend the levels eastward on the course of each lode into the granite, as we fully believe they will be found productive, the stratum being a beautiful light blue killas, very compact, and at the foot of a granite hill, every similar to that of the Carn Brea Mines. Three lodes, in a favourable a position, cannot fail in producing a great quantity of mineral. Wall's shaft might, we think, be make to Hitchina's shaft when the time arrives for so doing, we having at present some work to accomplish previously. If we are fortunate enough also to meet with a good lode in the 137 fm. level cross-cut, north of the diagonal shaft, that should also be make to the 140 as speedly as possible. It such a case we should gain time by lt, which in level, and from thence drive a cross-cut south, to intersect the fisp-jack lode, which is of great importance; also, of course, to continue slaking Ritchina's shaft to the 140 in level, and from thence drive a cross-cut south, to intersect the fisp-jack lode, which is underlying towards the shaft, as well as to drive north to cut the main tode at one and he same time, should not the diagonal shaft be sunk. The above work we have had in ontemplation for some time, and we are anaquine that you will consent to the same being arried out the first opportunity we can conveniently commence operations at one or or the places above mentioned. We sampled on Friday lark, at Calstock Quay, 164 ons of copper oves, computed 70, 60, and 34 tons, and we shall sample a parcel of fead, computed 30 tons, on the 10th

tons of copper ores, computed 10, so, and 34 tons, and we shall sample a parcel of lead, computed 30 tons, on the 10th inst.

KIRKCUDBRIGHTSHIRE.—The lode in the 74 end, west of Stewart's shaft, is 5 ft. wide, with a good stone of, ores in the back of the end. The lode in the 62 end, west of Kelta's, is large and kindly, with spots of ore. The lode in Gilpin's shaft is large and kindly, yielding 1 ton of ore per fin. The lode in the 60 end, west of Gilpin's shaft is large and kindly, yielding 1 ton of ore per fin. The lode in the 60 end, west of ditto, is also very large, with good stones of ore occasionally. The lode in the 30 end, west of ditto, is large, with stones of ore occasionally. The lode in the 30 end, west of ditto, is large, with stones of ore at time.

LAMHEROOE WHEAL MARIA.—List of prices set for this month:—The engine-shaft cross-cut north set at 84 per fin., for the month. The stopes in the back of the 60 set at 44. 10s. per fin., for the month. The end east not set; owing to the leavel being choked up with rubibal it could not be measured, but shall do so to-morrow, by which time it will be cleared. The 50 end east is set 7 ms., at 84, per fin., 'The 8 lode is set to sink 3 fms., at 84, per fin.; this lode appears to be increasing in size and epith, and is much the same as last reported. Thes. Carne and partners have contracted to sink the shaft on the champion lode, from the 20 fm, level as deep as the 30, for the sum of 701., and have sunk about 3 fms.; but on the 3d last they picked up all their underground wearing appeared, and left the mine. How am 1 to deal with these men?

LEWIS.—I expect the sump whim-shaft will be completed to the 90 fathom

nam of 70%, and have sunk about 3 ms.; but on the 3d hast, they picked up all their unlerground wearing apparel, and left the mine. How am I to deal with these men?

LEWIS.—I expect the sump whim-shaft will be completed to the 90 fathom level this week, when we shall commence driving south to cut the lodes. In the 80 cross-cut; south from copper ore shaft, we have intersected the south lode, producing good stones of tim. In the winze sinking under the 70 fm. level, the south lode is 4 in. wide, worth 32, per fm. The new lode in the 70, west from copper ore shaft, is 3 inches wide, worth 32, per fm.; the new lode in the 70, east from the shaft, is 10 in. wide, worth 22, ear in. The new lode in the 60, east of tin shaft, is 9 in. wide, unproductive. Cock's lode in the 50, cast from copper ore shaft, is 10 inches wide, producing stones of tim. The new lode in the 60, west of tin shaft the new lode is 10 in. wide, worth 52, per fm. The south 10 the in the 40, west of copper ore shaft, is 6 inches wide, producing stones of tim. The sat from the 50, wast from copper ore shaft, is 6 in. wide, worth 52, per fm.; ditto east of the 100, west from copper ore shaft, is 6 in. wide, worth 52, per fm.; ditto east of the 50 in. wide, worth 42, per fm.; ditto east of the 50 in. wide, worth 54, per fm.; ditto east of the 50 in. wide, worth 54, per fm.; ditto east of the 50 in. wide, worth 54, per fm.; ditto east of the 50 in. wide, worth 54, per fm.; ditto east of the 50 in. wide, worth 54, per fm.; ditto east of the 50 in. wide, worth 54, per fm.; ditto east of the 50 in. wide, worth 54, per fm.; the 50 in. wide, worth 54, per fm.; ditto east of the 50 in. wide, worth 54, per fm.; ditto east of the 50 in. wide, worth 54, per fm.; ditto east of the 50 in. wide, worth 54, per fm.; ditto east of the 50 in. wide, worth 54, per fm.; ditto east of the 50 in. wide, worth 54, per fm.; ditto east of the 50 in. wide, worth 54, per fm.; ditto east of the 50 in. wide, worth 54, per fm.; ditto east of the 50 in. wide, worth 54, per fm.; dit

NORTH BASSET. -The lode in the 82 fm. level is 5 ft. wide, compo

one. An use of the rair of the mine.

NORTH WHEAL BULLER (OR GREAT SOUTH TOLGUS).—Nov. 23.—The 50 fm. level west is very promising to be productive, having a regular lode of spar, jack, and mundic, about 1 f. wide, issuing a good deal of water, which indicates an improvement, and proves to us, in a measure, that there is a good piece of ground from the 30 fm. level before us. The 40 fm. level west continues promising, and nothing has appeared to alter our opinion that it will shortly be as good, or better, that the 30 has been it he lode is 2 ft. wide, composed of beautiful spar, with jack and copper ores internized. The 30 fathom level west has been improving since I last wrote-you; this morning we find the lode 2 ft. wide, composed of beautiful spar, with jack and copper ores internized. The 30 fathom level west has been improving since I last wrote-you; this morning we find the lode 2 ft. wide, composed of beautiful spar, for copper; opening ground over and under that will work at a very small tribute, which we shall avail ourselves of as soon as the level and Noel's shaft is communicated, which at present is within a few fms. of being forked, and the shaft about 4 fms. of being down to that level, in which the ground is of that nature that we reasonably calculate on a continuance of one.

Nov. 30.—We are pleased to snotice that the prospects of the mine generally do not diminish; but the 30 is not so good as reported has week, although a very kindly lode, and producing good ores; the level tallow conflicts to look well, but without or to ave.

PENTIRE GLAZE AND PENTIRE (STREET)—The north lode is improving daily, and at present producing more than its usual quantity of ores. The late discoveries in the new or middle lade are progressing very satisfactorily. We are proceeding with the workings in the desper levels as first as possible, that we may open more ground, and raise a larger quantity of ores, which we shall speedly effect.

PEN-Y-BANK AND ERGLODD (UNITED).—The lode in the adit level is large, with small branches of ore, but not of any value. The whin-shaft at Pen-y-bank is now cleared and secured 16 lms. from surface, and 8 fms. below the adit.

PENZANCE CONSOLS.—We are looking well indeed here. There is a good course of tin, 3 ft. wide, for 5 fms. id length on the north lade; this idde is now opened on for 12 fms., and the throughout. We have also a good course of tin on the south lode. In fact, the mohe is looking better than it has done for 12 months past, and there is every probability of its continuing to do sp.

there is every probability of its cent insing to do es.

POLBERRO MINES.—The prespects in the tribute department on the ting ground continue favourable. The produce for the last two months amounts to 58 or 59 tons. The copper ores were sampled on the 26th Novesaber.

SOUTH TAMAR CONSOLS.—The engine-slaaft has been sunk 2 fathoms it is, 9 in, in the past month, it is now down; 6 ins. 3 it. 9 in, below the bottom of the south set of 1.6 year, 1.7 year, 1

SOUTH TOLGUS.—The levels in the eastern ground have improved; the deast is now yielding it ton of ore per fm. The act as also yielding it ton per fm. the 42 west \$ 100 per fm. The north lode; in the 12 fm. level west; is yielding it ton per fm. The most holde in 1 ft. wide, rich work. In the 190 end the lode is 2 ft. wide, composed of musclic and capel, with spots of ore. In the 178 end the lode is 18 in. wide, of a congenial appearance, and passing through ground that will set at a low tribute. In the 160 end we are still driving on the eastern part of the lode, which is about 3 fc. wide, very rich work, a promising end. At Spurglar's shaft we have commenced driving north and south in the 160 fm. level; this lode, in both of these ends, is opening ground of a profatable nature. At the north mine, in the 90 fm. level, we are still cross-cutting west, but we expect we are getting near the lode, as the end is discharging a large quantity of water. In the 30 fm. level the lode is 18 fm. wide, 6 in. of which are good work. In the winso sinking below the 70 fm. level the lode is 2 ft. wide, interspersed with ore. We expect to sample, the latter part of this week, about 85 tons of tich witer-lead ore.

TINCROFT.—On Highburrow tin lode, in the 152 fm. level, east of engine-shaft, the lode is 6 ft. wide, worth 181, per fm. for this and copper. In the 130 fm. level cast the lode is 6 ft. wide, worth 181, per fm. for this and copper. In the 130 fm. level said the lode is 6 ft. wide, worth 181, per fm. for this and copper. In the 130 fm. level worth 181, per fm. for this and copper. In the 180 fm. level, worth 181, per fm. for copper. In the 180 fm. level, worth 181, per fm. for this and copper. In the 180 fm. level, worth 181, per fm. for copper. In the 180 fm. level, worth 181, per fm. for copper. In the 180 fm. level, worth 181, per fm. for copper. In the 180 fm. level, worth 181, per fm. for copper. In the 180 fm. level, worth 181, per fm. for copper. In the 180 fm. level was the lode is 4 ft. wide, worth 181, per fm.

ore in about a britagin from this line, and, from the encouraging prospects, I hope to increase our future samplings.

TEEHANE.—We have cut through the lode in the 88 fm. level, and opened on it about 4 fn. in length; it is altogether 2 ft. wide, composed principally of futor-spar, with mandic and lead intermixed, worth at present from 3t, to 4t, per fm. The underlie from the 7s to this level (at the cross-cut) is 6 in, per fm, being as small an underlie as we have had between any former levels, which in this respect is a favourable indication for the 88 fm. level. Other parts of the mine are without any important alteration since the report last week. We sampled pesterday 85 tons of slives lead or or the usual quality?

TRELAWNY.—At Phillips's shaft, in the 62 end north, the lode is 2 ft. wide, worth 81, per fm. Trelaway's shaft is sunk 3 fms. 2 ft. below the 92 fm. level, the ground is still hard. In the 92 end north the leds is 34 ft. wide, worth 14t. per fm.; in the same level south the lode is 7 ft. wide, worth 7t. per fm. In the 9th lode is 3 ft. wide, worth 15th per fm. I the winze in the bottom of this level the lode is 35 ft. wide, worth 15th per fm. I the form the lode is 35 ft. wide, worth 8t. per fm. At the north mine, Smith's shaft is sunk 2 fms. 1 ft. below the 55 fm. level, the lode is now nearly out of the shaft. In the 55 end north the lode is 7 fm. level, operations of lead in it. Our stopes on the whole are looking fair.

TRELEIGH CONSOLS.—In the rise above the 100 fm, level, operations

spots of load in it. Our stopes on the whole are looking fair.

TRELEIGH CONSOLS.—In the rise above the 100 fm. level, operations are suspended, as we have only 4 ft. to communicate with the winze below the 90. In the 90 fm. level, west of ditto, the lode is disordered by a gross-branch. In the winze below the 90 fm. level, the lode is 1 ft. wide, not much orse. In the stopes above the 90 fm. level, west of Harrie's winze, this lode is 2 ft. wide, worth 12f. per fm. In has 80 fm. level, on the north part, the lode is 1 an. wide, with stones of ore. In the 70 fm. level, the lode is 18 in. wide, with stones of ore, and is 30-king nore lixedly it was of ditto operations are suspended, the lode being small and poor. In the 40 fm. level, we are driving through disordered ground. In the 30 fm. level, east of ditto, the lode is 18 in. wide, with stones of ore.—Middle lode: In the 40 fm. level, east of ditto, the lode is 18 in. wide, worth 4f. per fm.; in the 40 fm. level, west of ditto, operations are suspended. At Burgess's shaft, from surface, we are sinking in the country for the middle lode.

the middle lode.

TRELYON CONSOLS.—There is a considerable improvement in these mines. On the south part of Wheal Margery lode, in the 60 fm. level, there are several rich velus of grey ore; and it is considered that this part of the lode alone is worth 61, per fm., costling only 58s. to drive it; a few fathoms back in the level the lode is worth 61, but is coming together again, when we expect a much better lode. The middle adit, 30 fms. above, is being driven at 50s. per fm., and it is expected that the same run of ore will be found here in 6 fathoms driving as in the back of the 60, where we have men rising up to the 30, at 42. per fm. The Wheal Venture lode, in the 32 fm. level, which is our deepest level upon this lode, is looking well; the end going west is worth about 107, per fm. for tin and copper, and the lode is it ft. wide. We shall sample, in a fortnight's time, 20 tons of copper ore, which will be double our last quantity, sold a month since, and raised in the same time. In the Providence Mines, which is the adjoining set to ours, and about 300 fms. south of Wheal Margery lode, large quantities of copper ore were sold, as much as 1090% worth in two months for a considerable time; and as we are directly north on a parallel east and west lode, and so near, we expect to have a similar run of ore.

TYWARNHAYLE.—The driving of the 100 fm. level is facilitated by a value as is now clear of the cross-course, and the lode is a good as it was before the cross-course was cut. The 64 east, in South Towan, is improved, and yields now 3 tons of ore per fathom.

WEST BASSET.—On the engine lode, in the 52 fathom level, east of cross—source, the lode is 3 ft. wide, composed of groy and yellow ore, mixed with spar. In the 22 cast of cross—course, on the south lode, lode 18 in. wide, composed of prian and yellow ore, The 20 fm. level is 3 ft. wide, a beautiful gossan, with large stones of yellow ore. Eventy tons of ore will be ready for sampling in a few days.

WEST ESGAIR LLEE.—The adjt level, east of turnpike-road, has been set to four men, a fine stent, or the month, at 4.5s. per fac.; the lode is from 3 to 4 ffr. wide, and has a promising appearance, and will yield from 3 to 4 cwts. of ore per fm. Winter has set in here with great severity, and we have a very sharp frost, which has put a stop to all surface labour. Our last parcel of lead ore, computed to be 25 tons, and sold on the 25th Nov., at III. 3s. 6d. per ton, still remain in the store house, at Aberryst-with, without any prospect at present of a vessel to take it on board.

soil on the 26th Nov., at 11t. 3s. 6d. per ton, still remain in the store house, at Aberystwith, without any prospect at present of a vessel to take it on board.

WEST GOGINAN.—I see no particular alteration in this mine since my last report; the north tode, driving east from the shaft, is 5.ft. wide, composed of killas, jack, and spar, with some spots of losd ore. The lode in the south end, driving east, is 6 ft. wide, and much the same in appearance as the north one.

WEST WHEAL JEWEL.—The 70 fathom level, west of Williama's cross-course, on Whisal Jewel lode, is worth 4t, per fm.; Carkeek's winze, in the 70 fm. level, west of ditto cross-course, on ditto lode, is producing stones of ore. The 57 fm. level, west of Hodges's cross-course, on Clearne tin lode, is worth 16t, per fm.; ditto; east of ditto cross-course, lode, when last taken down, worth 6t, per fm. The winze in the 8 fm. level, west of Tregoning's shaft, on ditto lode, is producing stones of in. The stopes, west of Fryor's winze, in the back of the 12 fm. level, on ditto lode, are worth 16t, per fm. The stopes, west of Tregoning's shaft, in the bottom of the 12 fm. level, on ditto lode, are worth 16t, per fm.; the stopes, west of Tregoning's shaft, in the bottom of the 12 fm. level, on ditto lode, are worth 16t, per fm.; the stopes, west of Tregoning's winze, in the bottom of ditto lode, are worth 16t, per fm.; the stopes, west of Tregoning's winze, in the bottom of ditto lode, are worth 16t per fm.; the stopes, west of Tregoning's winze, in the bottom of ditto lode, are worth 16t per fm.; the stopes, west of Tregoning's winze, in the bottom of ditto lode, are worth 16t per fm.; the stopes, west of Tregoning's winze, in the bottom of the shaft now sinking under the 9 fm. level. The lode continues its size, and the men are in active work.

WHEAL ADAMS.—We have this day (Monday) cut into a part of the

men are in active work.

WHEAL ADAMS.—We have this day (Monday) cut into a part of the quartaces lode in the 72 fm. level, extending south; it is 9 in, wide, consisting of quarts, Jack, and granular galena of good quality; there is not much water issuing from it, nor do we expect a large quantity before we reach a larger part of the lode, where the joints are more origin. The stopes in the back of the 50 will produce 24 tons of lead per fm.; the south stopes men have been fixing timber, and are now driving west to reach twestern wall of the quartrose lode, contiguous to which black state exists in the 50; and above, in this slate, granular galena is thirly disseminated throughout, and the wholes will pay well for taking away immediately the stamps are creeted, and square boxes, holding a fan each, be fixed for drawing ore, refuse, &c., instead of kibbles, as at present used. We are putting in a stope in the bottom of the 60, where there is a large an I productive lode—ground hard. No ground has been opened in the end on the western aliverical lode in the 40, north of the engine-shaft, since Capt. Hampton reported on it on the 28th uit. The ground in the 40, north of the back will produce, 12 cwts. of lead per fm.,

lead; the lode in the rase in this even the seasonry of the engine-house for the samps will be completed immediately.

— Dec. 5.—The lode in the end, in the 72 fm. level, is improved, but we cannot give the proper size of it, as the western wall is not discovered; we can see about 2 fr. of the lode, which is composed of jack, spots of mandie, quarts, and stones of lead. The end all ower is gushing with water, which is increasing daily; this evidently shows it to be a very large lode, and with the good appearance of the end allogether, we have reason to believe the lode will be very producing. The stopes in the bottom of the 60 fm. level are carried about 5 ft. wide, producing full 5 tons of lead ore per fm.; the stopes in the back of the 60 will turn out about 25 tons of lead ore per fm. The cross-cut driving west in the 40 fm. level is in favourable ground; the folds is in transcess of quarts, mandie, and stones of lead. The end driving north from the old sugine-shaft, in the 40 fm. level (and by the side of the lode), is in ground good and favourable. The same remarks will apply to the 38 fm, level. The cross-cut driving west in the 40 is in kindly ground, with little water coming from the end. The rise in the back of the 28 fm, level. The cross-cut driving west in the 40 is in kindly ground, with little water coming from the end. The rise in the back of the 28 fm, level is on a large lode, about 2 feet of which is discovered, composed of barytes and good stones of lead. The major part of the tributers are sarning wages at their respective tributes.

slead loss, is in hindly ground; the loca is in tranches, composed or quarte, and stones of lead. The end during north from the old segmendate, in the 80 fm, is real (and by the ideo of the 10ds), is in ground good and favourable. The same romarks with physical contents of the contents of the physical contents of the ph

WHEAL LANGFORD.—We have not yet received the cheque from the Tamar Smelting Company for the two parcels of silver ore, sold last month, but expect it is a day or two. I have not been able to assay the samples of silver from our new lode we cut in the south cross-cut, as reported in my last, but hope to do so in a day or two. The stopes in the back of the north adit level are still producing silver oreign a good quality. We have a present about 16 cwsts, at surface, in course of dressing, for the month. We paid the men and bills on Saturday, the vonchers the purser will forward shortly.

The stopes in the back of the north adit level are still producing silver oreign a good quality. We have at present about 15 evists, at surface, in course of dressing, for the menti. We paid the men and bills on Saturday, the vouchers the purser will forward shortly. WHEAL PROVIDENCE.—The lode still continues its regular size, which is about 3 ft. wide, and is composed of spar, mundic, and dookan, with good stones of lead, and very promising. The building of the engine-house is proceeding with all haste. WHEAL TREMAYNE.—At Madron's shaft on the south lode, in the 70 fm. level west, we have intersected the great cross-course; the lode, home to the cross-course, is 2½ ft. wide, worth 8.7 per fm. In the 60 fm. level west the lode is disordered, and split in two parts, making altogether 18 inches wide, opening tribute ground. At Thomas's shaft, on the same lode, sinking under the 50 fm. level, the lode is 20 in. wide, opening tribute ground. At Laurie's shaft on the north lode, in the 30 fm. level west, the lode is 1ft. wide, unproductive. At the middle whim-shaft on the same lode, in the wince sinking under the 10 fm. level, the lode is hard and poor; in the cross-cut driving north in the adit level of the same shaft, we have not intersected the lode yet. At Champion's shaft, on the same lode, in the 10 fathom level east, the lode is 14 in. wide, their syap, mixed with prian; it not to any value. At Painter's flat-rod shaft, on the south lode, the samp is down to the 50 fathom level, and the shuftmen have commenced driving east and west; the lode is 1 the west two lode is 1 ft. wide, composed of faolan, mixed with spots of ore, not to any value; ditto east the lode is 1 ft. wide, chied's page at and west; the lode is 1 the west evide, some lode, sinking under the 30 fm. level, the lode is 14 in. wide, composed of spar, mixed with prival; in the 30 fm. level, the lode is 10 in. wide, composed of spar, mixed with prival; in the 30 fm. level, the lode is 10 in. wide, composed of spar, mixed with prival in the lode is

- Dec. 4.—The lode in the west end is 18 in, wide, with 1 ft. good stamping work, and ground by the side. We have holed our new shaft in the 10 fm. level, and shall plate it about the 7th of this month. We have fixed our new bob, and all other work be ready to connect to the engine as soon as the shaftmen will be in want of it.

FOREIGN MINES.

FOREIGN MINES.

LINARES MINES.—The following has been received from Mr. H. Thomas:

Linares, Nov. 23.—In sinking Wilson's shaft under the 45, the men have got down between 3 and 4 R., and have found the lode to improve, being now worth 5 tons to 4 fm. In San Juan shaft the ground continues much the same art; has been for some time past, and we hope by the end of the present year to have completed a communication by the shaft to the 45 fm. level. San Antonio winse, sinking under the 45, contains good stones of lead; but it is irregular, and the ground rather hard. The men engaged in cutting plat in the 45, at Shaw's shaft, are proceeding very well with their work, and we hope there will not be much delay in resuning the sinking of this shaft. The 45 end is still unproductive, and we purpose at the end of the month to cross-cut, to see if we have the whole of the tode. The lode in the 31 fm. Itered continues good, and worth about 3 tons in a fm. The new pitch under the 45, east of San Pablo, is being wrought on a very productive lode, the arch left by the old men consisting of as good a lode as we have ever seen, and worth near the winse not less than 12 tons to a fm.

Account of stock:—Ore in stock at Linaras, Nov. 16, 119 tons; weighed in, Nov. 33, 18 tons 14 owts. = 137 tons 14 ewts.; sent for shipment, 15 tons 4 owts.—remaining in which stock at Linarase, 122 tons 10 ewts.; at Malaga, 29 tons 1 ewt.; on board ship, 372 tons 10 ewts. = 590 tons 15 ewts.

THE WORTHING MINING COMPANY:—

Worthing, Aug. 10.—Hereunder you have my report of work to this date, and my suggestions as to our next course. The water-wheel shaft is 19 fms. 3 fs. 6 in. deep, reset at 52, per fm., in which we have met with branches containing yellow sulphuret, showing its lods to be near. We have cut through the lode in the cross-cut west by this shaft, and are driving beyond it, to satisfy curselves of the existence of any proximate lode or branches which will guide our sinking in the shaft. The middle guily shaft is only sunk 4 ft. 3 in. this month, in all 10 fms. 1 in. 2 ft. in depth, where we are compelled to stop until an engine is at work. The south end at the middle guily is new driven 36 fms. 2 ft. 2 in.; the lode is hard quarts, with spots of yellow ore. Having seen enough of the lode in this direction to judge of its size and regularity, we feel no inducement to do more at present; the line of level driven will be useful for winzes and ventilation to

Allway and commercial superstants. The wines under this level is new as darp as practicable for the vater, ? 6.4 is. In the lode, she writing or in the bottom. The more awardle gustalents or in goness, the precises that can be seen at Hodgkinson's, and while the engines are brought from port, I advise, out to take the middle gully wilm (now idle) or to Hodgkinson's, see sinking this shaft to the extent of horse-power, which would enable us to pursue the copper deeper, and tester before us in placing the first engine. The ground preving as hard at middle gully lovers the water at Hodgkinson's, a fact which gives my plan a decided turn; and the plan now is, as a well as I can contrive it, to place the first angine on the most ore, making Hodgkinson's shaft take the advance, rusuing to mutual drainage. I would not object to placing the first engine without delay, not awaiting the first angine on the most ore, making Hodgkinson's shaft take the advance, trusting to mutual drainage. I would not object to placing the first engine without delay, not awaiting the first of horse-power.—3. Puttagra, and shout 6f. showe the bottom of the shift a lode came in, which is about 5 ft. wide, and composed of branches of carbonates of limes, apar, and killas, containing now and then large agate of yellow ore; but whether it is it he lode we raised ore from on the surface, and the wines south of the shaft, remains to be proved in sinking deeper. In the mid-act object to place the surface of the shaft, remains to be proved in sinking deeper. In the mid-act object to place the surface of the shaft, remains to be proved in sinking deeper. In the mid-act object to place the surface of the same kind, missed up with kills and flookan, and have driven beyond it 4 fam., but the white which we would worth? 7, per fin. Gully sahaft is being sunface to the same kind, missed up with kills and flookan, and have driven beyond the fine of the sunface of the same kind, missed up with kills and flookan, and have the sunface and the sunface and the

BORRINGDON PARK SILVER-LEAD MINING COMPANY.

at middle gully, eshibiting stains, specks of copper, and gossan.

BORRINGDON PARK SILVER-LEAD. MINING COMPANY.

A general meeting of adventurers was held at Tavistock, on Wednesday, the sith instant,—Mr. Thomas Nicholls in the chair,—when the rules and regulations were adopted, and the several officers elected. Mr. Hitchins was appointed chief manager and superintendent, his remuneration being dependent on the success of the adventure. A call of 10s. per share was made, payable on or before the 18th inst.

The following reports were read to the meeting—the two first by the agents of Wheal Trelawny, and the third by the agent at Wheal Trelawn:—

Nos. 18.—I have inspected this mine, which is in the parish of Plympton. St. Mary, Devon, the extent of the sett being about one mile and a half on the course of the lode, and the property, and one of their trials was the driving of an adit level on the course of a lode for a distance of about 20 fms., at which point there was met with a large silde (flookan) crossing the level, shortly after which the mine was abandoned. The present party resumed the driving about 30 fms. beyond, and the lode has been improving gradually every fathem since in appearance. In the present end the lode is 4ft wide, composed of silver-lead and munde principally, and altogether it may be termed good dressing work. About 50 fms. beyond the present end the lode is 4ft wide, composed of silver-lead and munde principally, and altogether it may be termed good dressing work. About 50 fms. beyond the present end the lode is 4ft wide, composed of silver-lead and munde principally, and altogether it may be termed good dressing work. About 50 fms. beyond the present end the lode is 4ft wide, composed of silver-lead and munde principally, and altogether it may be termed good dressing work. About 50 fms. beyond the reservation and the lode sate of the sild before referred to. Twenty-six fms. south of this lode there is a shaft sunk about 21 ft. from surface, in which there are several branches of very r

from their general bearing, evidently run through the north part of this sett. There is a railroad to Plymonth, by which all the produce of the mine may be conveyed to that port for shipment, and materials brought therefrom at an unusually easy charge. Taking into consideration the very tempting appearances of the lodes now wrought on, the congenial nature of the ground, and properly appreciating the various local advantages in connection with the concern, I cannot but be of the opinion that it will soon prove a first-rate remanerative one to the advantages.—T. ELLERY.

connection with the concern, I cannot but be of the opinion that it will soon prove a firstrate remanerative one to the adventurers.—T. ELERY.

Nov. 18.—Having carefully arrayed this mine, and the sett generally, I concerned to the property is very considerable, being about one mile and a half from east to west, and upwards of two and a half miles from north to south. The lease is from the Earl of Morley, at one-differenth dues, and for a term of twentyone years. The transit of the ores to the place of alipment, and of materials therefrom to the mine, will be unusually cheap by the Plymouth and Dartmoor Railway, which passes through the western portion of this sett. There are several lodes known to pass through this sett, but to one of them it is that I have more particularly to direct attention. This lode runs in a direction easterly and vesterly, and has been opened on by an adit level for a distance of about 200 fms. from the western boundary, and appears to have much improved on pursuit eastward. The last 30 fms. have produced some good have an add ore, and the lode in the present end (which is only about 12 fms. deep) will pay well for working. Another most important feature, also, is that at about 50 fathoms further east this lode is again opened on at surface, and then, further eastward still, by costeaning pits, for a distance in all of about 300 fms., and has been found to be large and exceedingly promising, composed chiefly of very fine gossan, with municic, quarts, and capel, of highly congenial character. There is also another lode, or may be branches, about 2 or 3 fms. from surface, some rich silver-lead ore, equal by assays to 14 in 20 for lead, and 102 cas, of silver to the ton of ore, has been broken therefrom; these lodes being composed of the finest gossan, sulphurous mundic and quartz, with rich silver-lead ore, and the different samples referred to yielding so large a proportion of silver, are cir-

cumstances which confirm my opinion that they are true silver-lead lodes. Taking consideration those very districting indications, the favourable situation of the set very congenial and inexpensive instruct of the strats in which the lodes occur. I cause the of the opinion that this speculation is far beyond an ordinarily tempting one will, if properly laid open, prove a lastingly raluable one. In fact, from the appears it may be tormed a sure investment, rather than an adventure.—S. Richards.

EAST WHEAL RUSSELL

The first general meeting of adventurers in this mine, was held at Tavistock, on Wednesday, the 4th inst.—Mr. J. H. Murchisox, in the chir,—when the cost-book rules were adopted, and the managing committee and other officers were appointed. Mr. Josiah Hitchins was appointed the chief manager and superintendent of the mine, and liberally offered to perform the duties of his office without any remuneration, except a per centage of the profits made, which was agreed to. The opinions expressed by those present who had inspected the lode, were of the most confident character. Capt. James Richards, of the Great Devon Consols, stated that it was all but certain that a great course of ore would soon be met with, and that it was equal to anything be had ever seen at these celebrated mines. Mr. Hitchins expressed himself fully confident of the result at no great depth; he added that he would give a short report in the circular to be sent to the adventurers. A very favourable report; was read from Capt. James Carpenter, and several gentlemen stated the high opinions they had heard expressed by many miners who had seen the lode. A large quantity of fine gossan, prian, peach, and spar was displayed on the table, and the meeting, which was very numerously attended, separated much pleased at the brilliant prospects.

GREAT SHEBA CONSOLS MINING COMPANY.

GREAT SHEBA CONSOLS MINING COMPANY.

GREAT SHEBA CONSOLS MINING COMPANY.

At a general meeting of adventurers, held on the mine, on the 30th Nov., the accounts showed—Deposit of 2l. on 500 shares, 1000l.; 2l. each advanced on 20 shares, 40l. — 1040l.—Paid Duchy office, for deeds of sett and commission, 21l. 4s.; mine cost, June, 66l. 13s. 9d.; July, 69l. 5s. 1d.; August, 112l. 8s. 3d.; Sept., 176l. 11s. 7d.; sundries, 52l. 10s.; lessees, on account of 1500l. purchase money, 29ll.—leaving balance in land, 250l. 6s. 4d.—The accounts were passed, and a call of 2l. per share made. The contract for the wheel, pumps, and other machinery, as arranged with Messrs. Nicholls and Co., was contirmed, subject to their being 12-inch instead of 40-inch pumps, which was agreed to by Mr. Nicholls for the sum of 12l. in addition, making a total of 865l. The expenses of the water-wheel and other machinery will be payable, hence the call. A committee was elected, consisting of Messrs. H. Hooper, J. Daw, E. Woolmer, W. Pearse, J. S. Higgs, W. L. Jones, W. W. Whitchurch, R. Serjeant, and H. Rattenbury.—It was resolved, that the best thanks of this meeting and the shareholders generally is due to Mr. Henry Vatcher, for his indefatigable perseverance and exertions in carrying out this mine.

The following report, from Capt. J. Spargo, was read to the meeting:—

Noe, 31.—This being held on the mine, so that the shareholders, I am not a little gratified in its being held on the mine, so that the shareholders attending can see for themselves the work already done, as well as being fully given to understand our future mode of proceedings, which, of course, will be of great satisfaction to them. As regards the prospects held forth, to me it is most cheering; but that they may not too fully rely on my sanguine report, I feel most happy that they have an opportunity of beholding for themselves the most extraordinary produce of the lodes at se shallow a level. I hope, in about four weeks from this time, our wheel pit and lobby will be completed, so as to commence erecting the wh

SOUTH WHEAL JOSIAH MINING COMPANY.

SOUTH WHEAL JOSIAH MINING COMPANY.

At a meeting of shareholders, held at the Queen's Head Inn, Tavistock, on the 25th Nov., a statement of accounts was presented, showing—Balance from last meeting, 59l. 17s. 1d.; call of 10s. per share, 120l. 15s.—180l. 12s. 1d.—Mine cost for Aug., 34l. 4s. 4d.; ditto Sept., 46l. 8s. 1d.; showing balance, supposing all calls to be paid, 100l. 4s. 8d. The liabilities are—Mine cost for Oct., payable 7th Dec., 30l.; Nov. cost, about 20l.; Wheal Williams adventurers' bill, 9l.: leaving balance over liabilities in favour of company to end of Nov., supposing all calls to be paid up, of 41l. 4s. 8d.—Mr. Bawden and Capt. Hambly volunteered to give up one-half of their monthly salaries until some further improvement takes place in the mine.

The following resport, from Capt. John Hambly, was read to the meeting :—Nov. 25.—We have driven the adit level since last meeting about 8 fms.; the lode is standing more apright than it was at that time, but is still poor. We have also (since the last meeting) sunk a winze about 7 feet in the bottom of the adit, just behind the end, and broken some good stones of ore from a shoot which appears to dip east very Rast, but were compelled to suspend to, owing to the water. The shaft on the south lode has been sunk about 12 fms. 2 ft. from surface; the last 4 fms. have produced some good work for th, but we were obliged to suspend operations on this lode in consequence of water, since which a pare of men have taken it on tribute at 13s. in 1l., at which rate they are gotting wages.

WEST WHEAL SETON MINING COMPANY.

WEST WHEAL SETON MINING COMPANY.

WEST WHEAL SETON MINING COMPANY.

At a meeting of adventurers, held at the mine, on the 3d inst., the accounts were presented, showing—Tutwork and wages for Sept., 2981. Its. 10d.; tributers' balances, 911. 0s. 5d.; tutwork and wages for Cotober, 2521. 6s. 2d.; merchants' bills, 2011. 4s. 3d.—3431. 2s. 8d.—By copper ores sold, August 8, (less dues), 4011. 6s. 10d.—leaves balance, 4411. 15s. 10d.; ditto last account, 181. 2s. 6d.—4541. 18s. 4d.—By call, September 23, 4001.—leaving a balance of 541. 18s. 4d. against the mine. A call of 21. per share was made. Capt. T. Bray was appointed agent, at the salary of 8f. 8s. per month, and the wages of Benjamin Matthews, jun., clerk and storekeeper, was increased to 5f. 5s. per month. A feeling of deep regret was expressed by the adventurers at the loss they have sustained in the death of their late agent, Capt. John Lean, and they deem it due to his memory to record the high sense they entertain of the skill and ability with which he discharged his duties as agent.

**December 3.—The south shaft is sunk 6 fathoms below the 70 fathom level, the lode is

and ability with which he discharged his duties as agent.

December 3.—The south shaft is sunk 6 fathoms below the 70 fathom level, the lode is composed of apar and nundle, with stones of ore. The lode in the 70 fathom level, west of this shaft, is 5 ft. wide, and will produce 4 tons of ore per fathom; the stopes in the back of the 70 fm. level will produce 5 tons of ore per fm.; the lode in the 70 fm. level will sproduce 5 tons of ore per fm.; the lode in the 70 fm. level west is 3 ft. wide, and will produce 1 tons of ore per fm. The lode in the 55 fm. level less the 5 fm. level less the 5 fm. level less the 10 fm. The cross-sunt has been direct of the wide, and will produce 4 tons of ore per fm. this is very promising lode. The lode in the wince sinking below the 18 fm. level, is 4 feet wide, and will produce 2 tons of ore per fm. the control of the shaft. So that is the engine shaft. No lode has as yet been intersected; the ground is more favourable for diving; the cross-cut is divine 35 fm. north of this shaft, and two branches have been intersected, composed of spar and mundle, with some ore; there is no doubt but that the lode further north. In consequence of the water being so quick it has been shought proper not to sink the new western shaft during the winter months; but the cross-cut is still continued south to cut another lode further south.

WHEAL VIOLET MINING COMPANY.

WHEAL VIOLET MINING CCMPANY.

At a meeting of adventurers, held at Truro, or the 30th Nov., the accounts showed—August, book in debt, 45£ 3s. 5d.; Sept. cost and bills, 100£ 1s.; Oct. ditto, 206£ 3s. 1d. = 35£ 1.7 s. 6d.—By call of 1½ per share (less 13£). 2s. not received), 114£. 11s.—leaving balance due to purser, 236£ 16s. 6d.—A call of 2ℓ. 10s. per share was made to liquidate the balance, and for the prosecution of the mine—Capt. Dale reported to the meeting that—

Since the last account the engine-shaft had been aunk to 13 fms.; that several branches caunting to the lodes had been cut an isking it, which had produced good stones of tin and some spots of copper, and that the stratum itself was highly impregnated with mineral, which caused the ground to be still tight in the shaft; this, he expected, would leasen near the lodes, as had been the case in the old workings. That the new wheel had been removed to the mine—a wheel plt, about 26 fb. deep, excavated, so that the water should pass off from it through an old adit, and do no damage to the surface; that proper losts had been brought in, flat-rous had been constructed to connect it with the engine-shaft, and a strong bob fixed, both of which were fully equal to the power of any engine that singlet hereafter be erected, and that the whoel had gone to work, and answered in every respect. That a capstan and shears had been constructed, and a 16-fm. life of 12-inch pumps procured and fixed in the now shaft, and that the old life of pumps had been taken out from the old shaft, and was been used as a sinking life; that from the size and nature of the lodes were cut in the 20 fm. level. That the expenditure in fixing the new wheel and pilwork, and in constructing the flat-rods, bob, capstan and shears, and other necessary works, particularly in timber and iron, had been heavy, but that such expenditure would not again occur, and that the future monthly costs would be reduced to the same scale as when the operations were commenced, until they were opening upon a

WHEAL SUSAN MINING COMPANY.

WHEAL SUSAN MINING COMPANY.

At a general meeting of adventurers, held at Godolphin-bridge, on the 26th of Nov., the accounts for July, Aug., and Sept., were presented, showing.—Balance, 267l. 8s. 1d.; materials, 318l. 10s. 9d.; tutwork, 200l. 12s.; tribute, 18l. 0s. 9d.—799l. 11s. 7d.—By second call of 5s. per share, 250l.; sale of tin, 22l. 7s. 7d.; ore at Hayle, 80l.; discount, 9s. 5d.: leaving balance against adventurers of 496l. 14s. 7d.—A call of 10s. per share was made.—Mr. Charles Parry, the purser, is to be paid 4l. 4s. per month, and Capt. Elisha Ralph, 2l. 2s. per month. The report states that.—

The water-wheel is working remarkably well, and they calculate on its containing a power sufficient to carry the workings to a depth of 4s ins.. The total ontiay is 1050l.—of which 830l. is for machinery and its erection, leaving 250l. for opening and clearing the mine, with all other charges. The progress has been slower than anticipated, owing to the extreme drought experienced during the last two months—1t being the 18th of Nov. before they had a full supply of water sufficient to continuously night and day. The springs being now up, and all the machinery and pump-work in such perfect order, as to warrant the expectation that no further delay will occur to impede at once operation open the lodes will not only advance more rapidly, but they look forward with perfect confidence to making valuable discoveries of rich copper and tin ores.

After describing the various workings, the report thus concludes:—

Considering calmly and dispassionately the champion character of our real Jode, the onward course it holds in its run, passing through all interruptions from cross lodes and flookans, maintaining its own right of way undamaqued, comparing which with this wealth it has yielded in copper and tin at and above the adit level, in ages past, and is our swn day, it is not too much to expect that the coming year of -1851 will not only witness the capital we invest in this famed and celebrated mineral valley returne

KINGSETT AND BEDFORD MINE.

tr.,—Having in your last week's paper advertised a letter on the subject of mine, we now beg to state that, had access to the books and memoranda afforded to us then, as it since has been, by Mr. Vatcher, the purser, such ter would not have been written by us. In consequence of this circumice, the subject is under consideration by two respectable parties, for the purse of adjusting any misunderstanding or difference that may exist.

W. Harding, Lient-Col.
W. Ash.
J. Follert.
Charles K. Wers.
John Fulfrond, Capt. R.N.

LINARES MINING ASSOCIATION.

LINARES MINING ASSOCIATION.

Sin,—As a shareholder in this company, I confess myself startled at the proposition of the directors to erect smelling-works at these mines. Those who are acquainted with the lead mines in this country must be aware that not even at the Lisburne, or at the Goginan Mines (although at both places raising 10 times the amount of ore that we raise at Linares), is such a thing attempted, although it has been necessary, in both those cases, to construct roads for the carriage of the ores to the port of shipment. The smelting establishments in this country are never combined with the mining establishments, and the operation is one requiring very great care and nicety of management; besides it is, for obvious reasons, generally considered better to carry the ore to the fuel than to carry fuel to the ore, and in our case the Linares Mines are situated some 70 or 80 miles from any known coal-fields; whilst even at that limited distance the coal is not at present worked, so that I am at a loss to understand how the directors can expect to gain "from 2000, to 3000c, per annum" by the saving in the expense of carriage. In the report, published in your last week's paper, something is said about 2001, being required for a supply of fuel. Surely, it cannot have escaped the observation of our directors, that there is no fuel in the neighbourhood of the mines. I cannot say I very much like the way in which our shares are, at one fell swoop, reduced in value from 31, to 30s. per share.—A Shareholder: Dec. 4.

Hee the way in which our shares are, at one fen swoop, reduced at 37. to 50s. per share.—A SHARHOLDER: Dec. 4.

[Extracts roos our corrections of the River Rheidol. About seven miles east of Aberystwith, and has been worked by means of adit levels, a little below the bed of the river, by hand-pumps. The ore is very rich for silver, and, from the hardness of it, must have been very expensive for breaking down with hammers. This with will be powerful enough to draw the water as well as to crush. The lote has been proved to be left standing to the north, which is now being taken down, and yields more than a ton per ful the north, which is now being taken down, and yields more than a ton per ful diverse Rheidol, in Cardiganshire. This old mine has been worked 15 fms. below an adit driven to it by Sir Thomas Bonsall, and the bottoms have, in modern days, been proved to be left in good ore. A new adit, at an expense of 15002, has now been carried up to within a month's diving of the orey part of the lode. Some spots of ore are coming into the end in driving into the ore under the old mine, and there is a back of 25 fms. up to the old mine.

EAST BALLESWIDDEN (tin) is situate in the parish of Sancreed, near Penzance, Cornwall, in one of the best it in localities in the west of England. The mine is divided into 1024 shares, and is worked on the Cost-book Principle. Adjacent to the set are the well-known dividend-paying mines, the Balleswidden, the Ding Dong, and the Penzance Consols—the first-named mine having produced no less than 230,0004, worth of in during the last nine years, whilst the capabilities of the latter as a tin mine are towall know to need description. In a report of an inspection, recently made by Capt. Carthew, the managing agent at Balleswidden, and other gentlemen, a most favourable judgment is given of the mine, which is pronounced a most valuable mining property. The "Rose lode" is stated to be 70 fathoms in length, intersecting into centact with other lodes, at which junctions it is believed larg

old parties in the manner that Wheal Guskis has, have proved, without an exception, eminently remunerative to parties who have invested capital in them.

The Milwe Mirws came into possession of the present body of adventurers in December, 1848.—They are very extensive, with three large steam-engines for pumping, with winding and crushing engine, equal together to 450-horse power. Operations were immediately set aftor for a full, fair, and effectual working of the mine, by sinking new shafts, clearing others, driving, &c., in doing which discoveries were made above the adit, yielding, from January last year to the end of October last, 10,000l, wont of rich lead ore, making a profit on the opening and working the ore ground of 5000l, which sum has been expended in further laying open the ground, and in preparations for the effectual drainage of the mines, which it is expected will be completed within three months from the present time, when the ore ground discovered by such trials above adit, and now laid open to the present level of the water, will be worked. It has, we learn, been determined on putting the engines to work upon the lat of May next, to effect which, however, a further outlay of from 1500l. to 2000l. will be required, a further call to such extent being made. The mines are under the management of Capt. Absalom Francis, and in the nine years prior to 1838, divided a profit of 128,600l. working three veins only, but which were lost at that time by the breakage of pitwork. Since the resumption of operations, many new lodes, by cross-cuts and shafts, have been laid open, and work done whereby at least nine or ten lodes may be explored, requiring only the engines to go to work. The company is contined to 100 shares, and may, therefore, be considered a strictly private one, while we should be glad to avail ourselves of information from time to time beyond that conveyed by the ticketing papers. The time, however, we think, is fast approaching when it will be admitted that information generally diffused b

the state of the s

WHEAL ARTHUR (Calstock).—I have just seen some splendid stones of ore com the deep adit level west of the Old Hundred shaft, which is of first-rate unality. I visited the mine on Friday last, and am of opinion this will prove most profitable investment.

Two of the lead mines in the Caldbeck Fells, Shropshire, have been recently re-opened with every prospect of success, particularly the Boughtengill Mine, which is being worked, in driving new levels, &c., in a spirited manner by a private party, and producing more than sufficient ore to pay its cost.

GREAT WHEAL ALFIED.—Several parts of Hayle and Copper House were placarded on Wednesday with notices, that a survey will be held at this mine on Monday next, for the purpose of digging the fundation of an engine-house, and of setting the carriage of various materials from the Hayle wharfs to the mine. On its announcement the bells commenced ringing merry peals, and in the evening tar barrels were lighted on the tops of the posts on each side of the whear, leading from Hayle to Copper House. A large concourse of people assembled, all breathing fervent wishes that the spirited adventurers may be speedily remunerated for their outlay. It is 25 years since this mine

was last worked. The powerful engine has been contracted for by Mesna Harvey and Co.

Harvey and Co.

MINING IN THE ST, AGNES DISTRICT.—A discovery has recently been made at Wheel Betsy Mine, in this parish, under the management of Capt. James Gripe, and also at East Wheel Leisure Mine, in Perrauzabulce. In Great St. George Mines there are some excellent pitches and ends, and after the lengthened "draws" they have experienced, from time to time, the value is enhanced by perseverance. Many thousands of pounds have been guined since the working of the western part of the mine, enriching the adventurers and employing the labourers. It is hoped, indeed, that the days of depression in this district are passed. Immense gains have accrued to adventurer by speculation here, and why not again? Litigation has been a great drawback to progress, but under judicious management a different course is now adopted, and healthier feelings promoted. The appeal to law is a upas true te mining, which truth unfortunately has been practically illustrated in many parts of Cornwall. With regard to Folberou Mines, in St. Agnes, the tim part of the mines incolting, and has been doing well; the last and proceding pay days have been the best since the reworking of the mines under the Messers. Taylor. "The Friendly and Wheal Rock Mines are looking much as usual; and they improve rapidly as they advance westward. The base of the Beacon Hill is generally very productive of minerals.

MINING APPOINTMENTS DURING THE WEEK.

9. Wheal Seton account, on the mine; Par Consols sampling.
10. Tywarnhayle account, on the mine; Grambler account, on the mine.
11. United and other mines sampling.
12. Ticketing af Redruth, Carn Brea, and other mines.
13. Stray Park account, on the mine; pay at West Caradon and Gonamena; setting at North Pool. [and East Crofty.]
14. Pay at United Mines, Phonix, Alfred Consols, Cook's Kitchen, West Treasury 16. Condurrow account, on the mine; Fowey Consols sampling.
17. East Pool account, on the mine.

VALUABLE DISCOVERY IN MONMOUTHSHINE.—We are happy to learn that after four years' labour, the Mesara Price, of Cwmtillery, have succeeded in discovering some very rich veins of steam-coal, of unusual thickness and fine quality. From the statements of mineral agents, it appears that, during the sinking operations, it was ascertained the coal and iron measures of Owntillery were not inferior to any in the mineral districts; and, as a proof, it is mentioned that four workable seams had been pased through, and the last entered formed one working, with 13 ft. of solid coal; while there remained several more veins within reach, and the ironstone was equally abundant.

more veins within reach, and the ironstone was equally abundant.

EXTENSION OF THE DOWLAIS WORKS.—On Saturday morning last two additional rolling-mills were formally started, in the presence of Sir John, Lady, Charlotte, Miss Guest, and about 1000 spectators, many of whom were strangers from the neighbouring works and their localities. There are two other mills in course of construction beneath the same roof, which when finished, together with those already opened, will present as fine a range of mills as any in South Wales, no expense having been spared in machinery or building. The whole erections are under the superintendence of Mr. D. Williams, mechanic, directed by W. Wood, Esq., manager. Mr. R. Davies, master-roller, fixed and adjusted the rolls, and rolled the first bar, which was finished as perfectly as if the mills had been in operation for 12 months.—Suansea Herald.

RAILWAY TRAFFIC.—The gross traffic since the 80th of Jane amounts, on 5892 miles, to 5,730,124t, which indicates an average of 972t. 10s. 6§d. per mile for the period mentioned. The same number of weeks in a like period last year showed a traffic of 4,978,105t, which, on 4825 miles, was equal to an average of 1080t. 13s. 104t. per mile. The gross traffic for the present week, on 6005 miles, amounts to 221,767t. 0s. 3d., abowing an average of 36t. 18s. 74d. per mile. Last year, the corresponding week, on 5084 miles, produced 192,777t., or 37t. 18s. 44d. per mile.—Raikway Times.

London And Birmingham Extension Railway.—Yesterday a claim of

or 3t. 19s. 44d. per mile.—Rankog Times.

London and Birmingham Extension Railway.—Yesterday a claim of 10,973t. for engineering was brought before Master Blunt. Mr. Manning, for Mr. Croysdill, the official manager, contended that as the defectiveness of the plans and sections was the cause of the company being thrown out on standing orders, the claimants were only entitled to remuneration quantum mersit. After considerable discussion, it was resolved to refer the claim to arbitration.

considerable discussion, it was resolved to refer the claim to arbitration.

EXPENSIVE FALLURE OF A SHARE-DEALER.—Mr. Jas. S. Tripp, the sharecleater, of Lombard-street, underwent his last examination at the Court of
Bankruptcy, yesterday. The balance-sheet extended from the 1st July, 1845,
to the 21st October last, the date of the patition, and contained some heavy
tems, especially on the debtor side. The bankrupt owed to unsecured creditors,
is,505L; to meet this the assets were put down at 2L in good debts, and 4L 17s. doubtful.
Another sum of 2688L was due to creditors holding security, the property thus heden eding estimated at 2832L, and the habilities were 956L. The bankrupt began his statenent with a capital of 11,068L in 1845; his profits had been 3356L on shares, and 182L,
m commission. The trade expenses were 3356L; interest, 500L; law costs, 550; house
and personal expenses, 499SL; losses on shares, from July to November, 1845, 60,478L;
n Consols, 1570L; on bad debts, 879L; on railway circulars, 156L; total losses, 63,104L
fr. Lawrence supported the bankrupt. He observed that the result of the trading had
een very disastrous, but there were mitigating circumstances which would be brought
effore the court in proper time. He had been a victim of the panle in 1845; and being
middle man, a share dealer, all the losses had been thrown upon him. There was no
ombt that the capital of the bankrupt was bond fide. Mr. Linklater, for the assignees,
freed no opposition, and the bankrupt passed.—

LATEST CURRENT PRICES OF METALS.

LUMBUN, DE	CEARDER 0, 1630.
Bar, bolt, & square, London	Tile
meets, siteathing, as outs, p. io. o o s	English sheet per ton 20 0-21 0 QUICKSILVEE 0 per ib. 3s. 9d.

The Ween Laox market maintains its upward tendency, and prices are quoted firmly 2s. 6d. above last week's rates. Very large orders for rails continue to be taken, and the trade looks more healthy than it has done for months. Bars are readily feeting 4t. 18s., free on board in Wales; while some makers demand 5t. per ton—at which price some large orders for rails are in the market. Starvonsmine Laox also evinces a disposition to advance above the current rates; from the sudden influx of orders, the makers are not anxious to sell further quantities at present, unless at advanced prices, large orders having been offered and refused.

Scorca Pics.—Notwithsanding the advance in bars, pigs have receded in price fully 6d. per ton, and the market closed quiet at 43s. 6d., cash, against warrants, 42s. 9d. against scrip. Upwards of 30,000 tons of scrip are now in course of being removed into store. The present stock of pigs is estimated at 270,000 tons.

Spexifical has undergone a slight reduction in price. At the early part of the week about 200 tons on the spot were sold at 16t. 7s. 6d., and 150 tons to arrive at 16t. 5s. oversides. The market is quiet, with a stock on the 1st inst. of 5476 tons.

Corpus is steady at the quotations.

Common Bayrisus Tix is without much inquiry, and the market, consequently, easy: 500 slabs of Banca lave been sold at 78; the article is, however, in limited request. The stock of E. I. consists of 945 tons. The Walsn Inox market maintains its upward to dency, and prices are quoted firmly

LEAD is still on the advance, and holders are very firm for both English and Spanish.

TIN PLATES without alteration: the demand continues unabated, and holders are firm.

GLASGOW, DEC. 5.—Our market for Scotch pig-iron was rather flat early in the week owing to weak holders pressing early on the market, in preference to incurring the expense of storing ; as, however, the shipments and consumption are large, a large quantity has been taken for immediate delivery, and the market is firm at 44s, per ton, each, for mixed Ness, good brands, warrants free on board here. The makers of manufactured iron are asking higher rates, as the demand is exceedingly good.

By the overland mail we have advices of the metal markets at Bombay and Calcutta to the lat November. From Bombay, the prices of most descriptions of metals have fallen since last report, and there has been, at the same time, a considerable number of transactions. The demand for British bur iron continues steady. Swedish iron is now rather dull, and but little inquiry for nail rod, square and round, sheet and hoop. A large quantity of copper has been imported by the ship Stag from Australia, and prices have further declined for nearly all descriptions, especially South American. Lead, both pig and sheet is dull, the price of the former having given way. Spelter is firm.—From Calcutta, copper has obtained an advance of 4 annas for sheathing, and 8 annas for tile.

HULL, THURSDAY.—Messrs. T. W. Flint and Co. state that they have had a strongde-mand for mining shares throughout the week. The stocks being chiefly in demand have been Tremaynes and Wellingtons, which fetels bayers at market rates. Bodford United shares are also in fair request—bayers, §1; sellers, §3. Gustavas continues a favourite stock—last price, §4. For Trefusis the demand somewhat fags; this stock has been done at 21, present price 20. West Tolgas is for the time neglected. South Tamar, 21.6s, 34. to 24.8s, 9d. There has been some inquiry for West Frovidence shares. Lewis, Trannack, South Wheal Treisways, and Gunnis Lake, would find buyers at fair rates. Some ousands have been recently invested in mining shares for Hull account.

Current Prices of Stocks, Shares, & Metals.

Bank Stock, 8 per Cent., 213
3 per Cent. Reduced Ann., 964
3 per Cent. Consels Ann., 974
3 per Cent. Consels Ann., 974
3 per Cent. Ann., 984
1 per Cent. Ann., 984
1 per Cent. Consels Ann.
2 per Cent. Consels Ann.
2 per Cent. Con, for Act., 19th Dec., 974
8 xcheq. Bills, 10001, 14d. 64s 67s pm.

Belgian, 4i per Cent., 89
Butch, 2i per Cont., 56
Brasillan, 8 per Cent., 56
Brasillan, 8 per Cent., ce Coup., 32
Mexican 9 per Cent., ce Coup., 32
Russian, 5 per Cent., 108
Brasillan, 6 per Cent., 39

MINES.—There is a difference perceptible in the amount of business done during the past week in dividend-paying mines, but it is rather a modification of the general demand for shares than a falling off in inquiry for the more solid descriptions of stock. It is in the nature of things that a brisk market should originate new schemes, and divide the attention of capitalists, and in no business more so than in mines. We are content that it should be so, as long as the new projects will bear the test of the strictest scrutiny by competently-qualified judges of mineral indications—a hint we merely drop for consideration before investments are made. A late discovery in the Tavistock district (considered to be next in importance to that of the Great Devon Consols) has led, we find, to the immediate and vigorous re-workings of several important mines previously abandoned, and will, no doubt, give rise to a large expenditure of capital in that locality. In the Metal Market, lead is in improved demand, as rather firmer prices. Copper is without alteration: steady at the quotation. British tin is without much inquiry, and the market easy; a fair business doing in Bast India, and Banca in limited request. In tin-plates, the stock running short, a higher price may be expected. The iron market has again improved: Welsh bars have been in great demand, and large orders for ralls are given at an increased price.

The tendency to an advance in silver steadily continues—the total rise being equal to 2½ per cent.

The sale of copper ores at Redruth, on Thursday last, amounted to pitalists, and in no business more so than in mines. We are content that

being equal to 23 per cent.

The sale of copper ores at Redruth, on Thursday last, amounted to 4835 tons, producing 21,4651. 11s. 6d.

The sale of foreign ore at Swansea on Tuesday consisted of 1224 tons, and realised 19,4501. 17s. 6d. There is no other sale until the 31st.

Among the arrivals at Swansea have been 1315 tons of copper ore from Cuba, consigned to the Cobre Company.

Two parcels of ore from Linares Mine have been sold—70 tons and 40 tons, both at 111. 12s. per ton. Ores to arrive—62 tons and 74 tons, both at 111. 8s. per ton.

Two parcels of ore from Linares Mine have been sold—70 tons and 40 tons, both at 111. 12s. per ton. Ores to arrive—62 tons and 74 tons, both at 111. 12s. per ton. Ores to arrive—62 tons and 74 tons, both at 111. 8s. per ton.

Seventy tons of lead ores from the Glengola Mine, Galway, realised 111. 5s. per ton; 6 tons from Dfyngwm, 101. 18s. 6d. per ton; and 7 tons from Rhoswydol, 111. 10s. 6d. per ton.

Three parcels of lead ore from the Lisburne Mines have been sold at Aberystwith—viz. East Logylas, 55 tons, at 151. 12s. 6d. per ton; ditto, 55 tons, at 151. 15s. 6d.; and Frongoch, 80 tons, at 111. 8s. 6d.

The East Wheal Rose sale of lead ore was—34 tons at 161. 9s. 6d., 26 ions at 151. 5s., 17 tons at 151., and 4 tons at 8l. 3s. 6d. per ton.

The East Tamar lead ore, 67 tons, sold for 14l. per ton.

A private inspection of Alfred Consols Mine by Mr. S. H. Thomas, superintendent of the Alten Company's Mining Works in Norway, has just taken place. The report, which is given in extense elsewhere, is confirmatory of the favourable opinions lately expressed of the capabilities of the mine. Mr. Thomas states that the lode is as good as has been reported—the present rich bunch of ore having been intersected at a depth of 55 fms.; while in the winze sinking under the 60, he says there is a most splendid and improving lode. In the 70 fm. level there is described to be a "large, rich, and regular lode," and in No. 1 winze, in this level, the lode is "very rich and productive." He also expresses his firm opinion that, when the 80 fathom level is further advanced easterly, a bed of ore will be intersected as rich as in the 60 and 70, which must tend greatly to enhance the value of the mine. The usual report states that the lode in No. 2 winze is 4 ft. wide, with every prospect of soon becoming wider, its worth for copper ore being estimated at 100l. per fm. Another lode, in the 70 fm. level, is stated at 120l., and in the winze under the 60 fm. level east, at 140l. per fm, being full 7 ft. wide, and its produce calculated

at 140%, per fm, being full 7 ft. wide, and its produce calculated at 20 tons per fathom.

The Holmbush report expresses very sanguine expectations of future success, founded on the operations now being prosecuted, and others in contemplation. The mine agent states that at no period within the last five years has it afforded greater promise of becoming a dividend-paying one than at present. Last week 164 tons of copper ores were sampled at Calstock, and a parcel of lead will be sampled on the 10th inst.

The Tamar report states that 85 tons of rich silver-lead ores will be sampled in a few days.

At Wheal Margaret an improvement is reported in the 100 fm. level—the lode being 3 ft. wide, and estimated at 60% to 70% per fm.

At the East Daren, in the 30 fm. level east, the lode is about 3 ft. wide, yielding from 25 to 30 certs. of silver-lead ore per fm. In the 10 fm. level 24 fms. of ore ground has been gone through, averaging 2 tons per fm.

At Cwm Erfin, the 30 fm. level east continues to produce 2 tons of lead ore per fm; the rise over the level yielding 1½ ton per fm.

At Bat Holes, the end in shallow adit is stated to be worth 10% per fm.; the north stopes 9%, and south stopes 7%, per fm. The report is favourable, the stopes in back of the same level being worth 20% per fm. Fifty tons of ore are just ready for sampling.

able, the stopes in fact of the constraint of the new lode at East Wheat Leisure is 6 ft. wide, and the estimated

able, the stopes in back of the same teve stones, which are produced to one are just ready for sampling.

The new lode at East Wheal Leisure is 6 ft. wide, and the estimated produce 5 tons per fm.

At Wheal Hamlyn, they are driving on the caunter lode, which is producing unusually rich specimens of copper ore, with spots of tin in the lode. At Runnaford Coombe, things are assuming a more satisfactory aspect, and though there are still some arrears of calls, the balance till lately due for the engine has been paid by the leading shareholders on behalf of the company. The works will now be prosecuted with the activity requisite to place their affairs in a healthy position.

At the meeting of the General Mining Company for Ireland, held in Dublin, a very gratifying report was read; and the success of the company's operations was further demonstrated by the declaration of a dividend of 10 per cent. out of the profits for the present half-year. This is the more satisfactory, as the company commenced operations in 1846, at a period of unprecedented difficulty, distress, and famine; and, by excellent management, were enabled to overcome every obstacle. As many as 700 persons find employment in the vicinity of the mines, owing to the existence of this company, who are fairly entitled to be held up as an example of perseverance and judicious enterprise.

The Wheal Basset Mine account, on the 3d inst., showed—Labour cost for September and October, 2009l. 3s. 11d.; merchants bills, 868/6s. 11d. (less dues, 415l. 15s. 5d.) = 5820l. 17s.—showing profit of 2943l. 6s. 2d.; add balance in hand end of August, 107l. 3s. 8d. = 3050l. 9s. 10d.—By dividend of 10l. per share, 2560l.—leaves a balance to the next account of 490l. 9s. 10d. The report is very satisfactory, and stated that the stopes generally are producing ore equal to expectation, and quite as good as was anticipated whilst driving the levels.

At the South Tolgus meeting a dividend of 2l. 10s. per share was declared. The accounts showed—Hy sales of ores (less dues), 2

At the South Tolgus meeting a dividend of 2l. 10s. per share was declared. The accounts showed—By sales of ores (less dues), 2022l. 5s. 7d.
—Mine cost for September and October, 1284l. 12s. 3d.: showing profit of 737l. 13s. 4d.: add balance from last account, 110l. 13s. 4d.=848l. 6s. 8d.; and on account of new engine, 121l.—Dividend of 2l. 10s. per share (640l.), 761l.: leaving balance now in hand, 87l. 6s. 8d. The mine is reported to be looking very well: the 54 and 42 fm. levels are in good ore ground, and the 32 appears to be entering the same run of ore.

A dividend of 10s. per share was declared by the Lewis Mines, on Wednesday, the 4th inst.

The Tresavean Mine account, on the 30th Nov., showed—Labour cost for September and October, 1159l. 8s. 7d.; merchants' bills, 521l. 19s. 9d.

[Sept. and Oct. 312l. 5s. 9d.; merchants' bills, 521l. 19s. 6d.

The Treshellan Mine account, on the 3d inst., showed—Labour cost for Sept. and Oct. 312l. 5s. 9d.; merchants' bills, 85l. 14s. 4d.—398l. 0s. 1d.—By copper ores sold, 26th Sept. (less 1-15th lords' dues, 29l. 7s. 8d.), 409l. 8s. 1d.—showing profit, 11l. 8s.: add balance in hand, last account, 324l. 17s. 3d.—leaves balance to next account, 336l. 5s. 3d. The prospects of this mine are improved of late in a south lode.

At the quarterly meeting of Lelant Consols, a call of 4l. per share was made. The accounts showed—Balance due to the purser end of June, 741l. 15s. 6d.; mine cost for July, August, and September, 842l. 4s. 9d.;

merchan
tinsold,
At W
and Oct
4204. 11
By ores
leaving
share w
At th
and a c
about a
be raise
on a vei
their pr

the adve balance 2504; s of 10s. ceive th machine shortly invested A me Monday was res a kindly shaft to At W to meet 2l. 10s.

found v machin occur a The of Whe ments ductive At S that op on acco was may viction profit, some o ment, t At tl showed lord's d s42 9s. doctor in favor

per mo increas At tl 250l. 6s of 2l. p entered the sha Spargo At the sided, has to the formed the fav Consol reason The Mine coold, as against At a W. H. Edwar At t Englar took pl adopte tion to

Shar-Tree
West
croft,
von G
Carade
Daren
y-Mw
France
Taman
Russel
Penzar In f been d Austra British

Des dated operate the W sulpho middle which sult, I had b they that t south

spots in the column refers the training mitter are giving are ve positional training and training trai

The shaft In Se rathe

merchants' bills, 384. 9s. =1968. 9s. 3d.—By call of 4l. per share, 1024l.; tinsold, 897. 12s. 3d.; for stamping, 10l. 3s. 3d.—showing loss, 536. 13s. 9d. At Wheal Trefusis meeting, on Tuesday, the accounts for September and October were presented, showing—Balance from the last account, 420. 11s. 2d; costs and merchants' bills, 471. 13s. 43.—692. 4s. 10d.—By ores sold (less dues), 77l. 7s. 8d.; calls received, 504l.—581l. 7s. 8d.; leaving balance against adventurers of 110l. 17s. 2d.—A call of 10s. per share was made.

At the East Tywarnhayle meeting, on Monday, the accounts were passed and a call of 3l. per share was made. The engine will be at work in about a month; and, after the water is forked, it is expected that ore will be raised sufficient to meet the expenses of the mine. The engine is erected on a very promising lode, and the adventurers are fully satisfied with their prospects.

on a very promising lode, and the adventurers are fully satisfied with their prospects.

At the Wheal Susan meeting, the accounts presented a balance against the adventurers of 496l. 14s. 7d. The mine cost and materials, including balance from last account, amounted to 799l. 11s. 7d. By last call of 5s., 250l.; sale of tin, 22l. 7s. 7d., leaving balance as stated. A further call of 10s. per share was made. By the report read to the meeting, we perceive that the total outlay has been 1050l., of which 850l. has been for machinery. Several levels on the tin and copper lodes are expected to be shortly opened, and the fullest anticipations of a good return for capital invested are entertained by the agents.

A meeting of Wheal Langmaid adventurers was held at Tamerton, on Monday. The accounts were passed, and the captain's report read. It was resolved to continue to drive the 15 fm. level north, in which there is a kindly lode, as also to provide a water-wheel and pumps, to sink the shaft to the proper depth to make a trial at another level; this, it is expected, can be done in about three months' time, and a call of 3s. per share was made to defray its cost. If the present prospects continue, a steamongine will be purchased, for the further development of the mine.

At Wheal Violet meeting, the balance due to purser was 236l. 16s. 6d., to meet which, and to prosecute further operations in the mine, a call of 2l. 10s. per share was made. Capt. Dale's report was, on the whole, satisfactory, and gave reason to believe that abundance of mineral would be found when the lodes were cut to the 20 fm. level. The expenditure for machinery had been heavy, but much of it was of a kind that would not occur again.

The reports read at the Borringdon Park meeting—two from the agents of Wheal Trelawny, and one by the agent at Wheal Trehane—are such

machinery had been heavy, but much of it was of a kind that would not occur again.

The reports read at the Borringdon Park meeting—two from the agents of Wheal Trelawny, and one by the agent at Wheal Trehane—are such as may justly inspire the shareholders with the hope of good returns from the mine. Capt. Kemps says that, from she extent of the sett, and the number of lodes comprised within its limits, the mine offers such inducements as are not often met with. The assays of the ores also give productive results, and the agent of Trehane concludes his report by saying that the speculation is more than ordinarily tempting, and may be termed a sure investment, rather than an adventure. A call of 10s, per share was made, and Mr. Hitchins was appointed superintendent of the mine.

At South Wheal Josiah meeting, the report from Capt. Hambly stated that operations in several portions of the workings had been suspended, on account of the water. The accounts showed a halance in favour of the company, supposing all calls to be paid, of 41l. 4s. 8d.

At the Kingsett and Bedford meeting last week, a call of 5s, per share was made, and a brief report from Capt. Seymour, expressive of his conviction that the mine would, in a very short time, pay cost and yield a profit, was read. We are glad to perceive that the differences between some of the shareholders, and their purser, are in a fair way of arrangement, thus removing a serious obstacle to the prosperity of the mine.

At the Trowan Consols meeting, at Hayle, on Tuesday, the accounts showed By call of 10s, per share, 30th August, 7d. 10s.; time isold (less lord's dues), 390l. 12s. 5d. = 466l. 2s. 5d.—Book in debt end of June, 84l. 9s. 6d.; labour cost for July, August, and September, 266l. 18s. 5d.; dector and club, 4l. 10s.; merchants' bills, 103l. 15s. 2d.—leaving balance in favour of mine, 6l. 9s. 4d.—Mr. J. M. Kernick was engaged at 2l. 2s. per month as clerk, and to assist the captain, and the captain's salary was increased to 6l. 6s.

At the Great Sheba Consols me

in favour of mine, 6l. 9s. 4d.—Mr. J. M. Kernick was engaged at 2l. 2s. per month as clork, and to assist the captain, and the captain's salary was increased to 6l. 6s.

At the Great Sheba Consols meeting there was a balance in hand of 250l. 6s. 4d. The calls paid on shares had been 1040l; and a fresh call of 2l, per share was made, to meet the payment of 865l, on a contract just entered into for machinery. The meeting was held on the mine, so that the shareholders had full opportunity of inspecting the operations. Capt. Spargo's report states the produce of the lodes to be extraordinary, and active proceedings speedily contemplated.

At the East Wheal Russell meeting, at which Mr. J. H. Murchison presided, being the first yet held, very sanguine anticipations were expressed as to the productive capabilities of the sett. A managing committee was formed, and Mr. Josiah Hitchins was appointed superintendent. Should the favourable opinions expressed by Capt. Richards, of the Devon Great Consols, and Capt. J. Carpenter, be verified, the shareholders will have reason to congratulate themselves on their investment of capital in this mine. The accounts presented at the West Wheal Seton meeting showed—Mine cost and merchants' bills for Sept. and Oct., 843l. 2s. 8d. The ores sold, amount of last call, and balance of last account, still leave a balance against adventurers, 54l. 18s. 4d. A further call of 2l, per share was made.

At a special meeting of Low's Patent Copper Company, on Friday, Mr. W. H. Laseere was unanimously chosen as director, in the room of Mr. Edward Hunt, resigned.

At the special general meeting of the Company of Copper Miners in Eagland, much discussion on the present position of the company's affairs took place, and the report of the shareholders' committee was ultimately adopted. It appears that the debenture holders intend making an application to Parliament. The next meeting will take place on the 2d of Jan. Shares in the following mines have changed hands during the past week:—Trefusis. West A

tion to Parliament. The next meeting will take place on the 2d of Jan. Shares in the following mines have changed hands during the past week:

—Trefusis, West Alfred Consols, Bedford United, East Wheal Leisure, West Tolgus, Tremayne, West Providence, Merllyn, South Tamar, Tincroft, Treviskey, Trannack and Bocean, Wheal Venton, Wellington, Devon Great Consols, Black Craig, Kirkcudbright, Alfred Consols, West Caradon, East Wheal Reeth, South Caradon, Wheal Arthur, Wheal Tom, Daren, Cwm Erfin, Wheal France, Calstock United, Wheal Susan, Craigy-Mwyn, Wheal Harriet, Low's Patent Copper Company, East Wheal Frances, Bryntail, Bedford United, Comfort, Cook's Kitchen, Gustavus, Tamar Consols, Trelawny, Great Sheba Consols, Cefn Bruno, Wheal Russell, Langmaid, Wheal Venton, Devon and Courtenay, Drake Walls, Penzance Consols, Keswick, East Gunnis Lake, West Virgin, Mill Pool. In foreign shares more activity has been observable, and business has

In foreign shares more activity has been observable, and business has been done in the following mines:—United Mexican, at a slight advance; Australian, General Mining, Cobre, Worthing (South Australia), and British Australia). British Australasian.

Australian, General Mining, Cobre, Worthing (South Australia), and British Australasian.

Despatches have been received by the Worthing Mining Association, dated the 10th and 12th of August, giving a lengthened account of the operations at the mines. In the first of these Capt. Phillips states that in the Water-wheel shaft, branches have been met with containing yellow sulphuret, the inference he draws being that the lode is near. In the middle gully shaft operations have been suspended until an engine is at work, and in the south end measures had been taken to test the size and regularity of the lode. Other steps also were taken to ascertain the best spot for placing the engine, a course strongly advised by Capt. Phillips, without awaiting the trial of horse-power. By the letter of August 12, we learn that much obstruction to the works was occasioned by the water, which had compelled the suspension of the sinking in gully shaft; the result, however, of the whim being kept working was, that two of the winzes had been partially drained. When the engines are brought from port, they will probably be erected on the gully shaft, by which it was expected that the ground would be drained north and south of the lodes. In the south end the ground and lode are hard; in the latter are mingled minute spots of ore and mundic. The report of the committee of management in the colony, which, with the other reports, will be found in another column, describes the operations now going on in water-wheel shaft, and refers to a lode met with in one of the levels, which was not considered the true copper lode on the surface. The latter had undergone an examination, to ascertain its course and distance from the shaft. The committee recapitulate the leading works in progress, the chief points of which are given in the reports of Capts. Phillips and Richards. Hodgkinson's winze was let on tribute. At sorth gossan shaft the surface indications are very good, and the report generally, without much in the shape of positive results, shows t

San Pablo, is wrought on a very productive lode, worth not less than 12 tons per fathom. The total ore in stock, including that at Linares, Seville, Baylen, Malaga, and on shipboard, amounts to 590 tons 15 cwts.

LEAD ORES.

TICKETINGS FOR 246 TONS OF LEAD ONE PR OM THE LINARES MINE

Biddings,	Per /			Per	Fo	ire	Per .	Her	CM	les.	p. Me	ucin
The second secon	70	ton	18.	40	ton		69	ton	141		74	ton
sims, Willyams, & Coper to	n £11	12	0	 £11	12	0	 £11	8	0		en.	-
lementson & Co	. 11	- 9	6	 - 11	2	6	 10	17	0		. 11	. 0
Lather & Co	. 10	0	0	 10	0	0	 10	0	0		. 10	0
amar Company	. 9	18	0	 . 9	18	0	 9	18	0		10	1

Mines.	Tons.	Price per Ton.	Purchasers.
Mines. East Logylas	55	£11 12 6	Panther Smelting Co.
ditto Frongoch Bwich Consols	55	11 15 6	ditto
Frongoch	**** 80	11 8 6	ditto
Bwich Consols	40	15 7 6	Newton, Keates, & Co

Glengola (near Galway) 70 £11 5 0 J. Taylor & Son, Londo

Sold at the Mine. East Wheal Rose 34 £16 9 6 Sims, Willyams, & Co.

ditto 26 15 5 0 R. Michell & Son.

ditto 17 15 0 0 J. T. Treffry.

ditto 4 8 3 6 R. Michell & Son.

Sold in London. East Tamar 67 £14 0 0 Sims, Willyams, & Co.

COPPER ORES.

NG Trianes	Stemples Inventor 15, and Sous as Saunet, Detember 5, 1600.														
Min	ies.	15	Ton	8.	Prod.	i de	Price.	Mine		Tons.	W.Z.	Prod.	533	Price.	Ī
nba			. 90		124 4	9	6 6	Coplano .		75		281	. £2	7	0
ditte			. 75		134	9	8 6	ditto	****	74		274.	21	7	0
ditte			. 74		13	. 9	11. 6	ditto		53		281.	21	19	0
ditte			. 72		241	.19	6 0	Cobre		101		174.	15	13	6
ditte			. 71		124	9	7 0	ditto	****	86		164.	15	10	0
ditto			. 51	****	19	.14	10 6	ditto		53		241	16	18	6
ditto			. 30		314	24	5 0	ditto		15		18#.	14	8	6
oniano			. 78		254	19	18 6	Sydney .		53		244.	15	2	0

ditto 77 264....19 17 0 Waterloo Slag ... 20 42.... 2 5 6 ditto 76 272...21 5 0 TOTAL PRODUCE.
 Cuba
 463
 £5176
 8
 0
 Cobre
 255
 £3574
 11
 6

 Coplapo
 433
 9042
 2
 0
 Sydney
 53
 1012
 6
 0

 Waterloo Slag
 20
 £15
 10
 0

COMPANIES BY WHOM THE ORES WERE PURCHASED.

5km (18. m) 18.	Tons.	100	Am		ι.	
English Copper Company	221		£3456	9	0	
Grenfell and Sons	307		3474	- 1	6	
Sims, Willyams, and Co	101	*****	1280	3	6	
Vivian and Sons	199		3277	8	0	
Williams, Foster, and Co	203		3874	16	6	
Schneider and Co				17	0	
Mason and Elkington	102	*****	2117	2	0	
Not the light production and provide and lake where	100	/CROS	1000	-	TO P	
Total	1224	£	19,450	17		

There will be no sale till Tuesday, the 31st of December.

AVERAGES. Produce. Price. Standard. British 4f £ 2 5 6 £108 8 0 Foreign 216 16 2 0 86 15 0 Saie 201 £15 17 6 £1 Cotals—British, 20; Foreign, 1204 = 1224 tons (21 cwts.) £86 16 6

AVERAGES OF LAST SALE.
 Produce.
 Price.
 Standard.

 Briffsh
 9½
 £ 6 15 6
 £96 19 6

 Foreign
 25½
 19 10 6
 65 1 0

Sale 181 £14 8 6 £81 Totals -British 808; Foreign, 1208 = 2016 tons (21-cwts.) COPPER ORDS Sampled Nov. 20, and Sold at Andrew's Hotel, Redruth, Dec. 5.

Mines.	Tons,	Pric		Mines.	Tons.			rice	
Tincroft	. 87	£2 4	0	Wheal Seton	. 45		£5	4	0
ditto	82	3 0	6	ditto	43	****	3	17	6
ditto	81	3 16	6	ditto	41	****	4	7	6
ditto	74	3 2	0	ditto	37	****	2	8	0
ditto	68	3 16	6	ditto	26		1	18	0
ditto	67	3 12	0	Pendarves	. 61	****	.5	1	6
ditte	63	3 7	6	Camborne Vean	. 80		4	4	0
ditto	48	1 13	6	ditto	60	****	5	5	6
ditto	47	4 12	6	ditto	57			13	6
ditto	44	5 6	0	ditto	45	****		13	6
ditto	34	5 2	0	ditto	35			19	0
ditto	27	6 17	0	Wheal Francis	. 59		3 1	12	0
North Pool	107	2 9	0	ditto	32		3	5	6
ditto	105	3 16	0	East Pool	. 99	****	3	1	0
ditto	103	3 12	0	ditto	55		5	7	0
ditto	90	3 13	6	ditto	50		3	6	0
ditto	57	2 12	6	ditto	42	****		14	6
ditto	53	2 5	0	ditto	39		3	8	6
ditto	51	2 18	0	ditto	30			6	6
ditto	30	0 18	0	Fowey Consols	. 99	****		14	0
East Wh. Crofty	117	6 0	0	ditto	91			9	0
ditto	102	5 17	6	ditto	85	****	2	7	6
ditto	55	0 9	0	Condurrow	. 68			12	6
ditto	52	4 9	6	ditto	63	** **	5	6	6
ditto	51	5 5	6	ditto	55		1	9	0
ditto	50	2 1	6	ditto	36	****	8	5	0
ditto	45	6 1	0	ditto	35		5	6	6
ditto	29	1 0	0	ditto	15		2	3	0
ditto	16	0 12	0	South Wh. France	es 77			15	6
Dudnance	43	7 12	6	ditto	72			9	6
Longclose	. 26	3 7	6	ditto	61		10	4	6
	126	2 17	6	ditto	35		7	1	6
ditto	121	2 17	6	ditto	18		7	9	0
ditto	103	4 8	6	Dolcoath	. 60	****		3	6
ditto	82	6 1	6	ditto	52	****		7	0
ditto	68	6 11	6	ditto	46		6	1	6
ditto	60	18 18	6	ditto	32	****	2	4	0
Wheal Seton	. 89	2 6	0	North Roskear	. 104			4	6
ditto	79	5 5	0	Wheal Elizabeth	. 29	****	4 .	6	6

ditto 76 5 13 0 ditto 46 6 3 0 TOTAL PRODUCE.

COMPANIES BY WHOM THE ORES WERE PURCHASED.

Mines Royal		0				
Vivian and Sons		9			9.	
Freeman and Co	78	8	3498	6	9	
Greenfell and Sons		9				
Crown Company		8	852	2	3	
Sims, Willyams, and Co	45	7	1957	17	0	
Williams, Fester, and Co	135	2	6772	7	9	
Schneider and Co	26	2	1417	8	6	
THE PART WAS INSTRUCTOR FOR THE PROPERTY OF THE	1500 CO.	OR SHIPS	-		_	
Total tons	493	35 4	21,465	11	6	

Copper ores for sale on Thursday next, atlandrow's Hotel, Redruth.—Mines and Parcels.—Carn Brea 827.—Tywarnhayle 601.—Wheaf Buller 382.—Par Comsols 309.—Alfred Consols 360.—Wellington Mines 330.—Levant 200.—West Wheal Treasury 154.—Polberro Mine 139.—West Wheal Stoon 130.—West Wheal Stoon 130.—Wheal Treasury 164.—Polberro Consols 65.—Wheal Agar 58.—St. Aubyn and Grylls 27.—Trannack 27.—Wheal Squire 22.—Herland 21.—Wheal Prosper 18.—Wheal Busine 16.—East Wheal Treasury 10.—Wheal Trannack 5.—Trenow Consols 4.—Total, 3674 tens.

Copper ores for sale, on Thursday week, at Andrew's Hotel, Redruth.—Mines and Parcels.—Devon Great Consols, Wheal Josiahi, Wheal Maria, Wheal Fanny, and Wheal Anna Maria, 1601.—West Caradon 336.—Marke Valley 234.—Fewey Consols 237.—Wheal Friend ship 201.—Holmbush 164.—Pheenix Mines 133.—Bedford United Mines 122.—Wheal Pin-22.—Pembroke 2.—Total quantity of ore to be sold, 3173 tens.

PRICES OF MINING SHARES

As it is exceedingly difficult to obtain a correct knowledge of all the mines in our list in London, we trust the agents, and others interested, will assist us, by forwarding any conventions with which thus was the agentalized—any closed—by

1	Share	
1	5120 1248 1624	Alfred Consols (comment Wants Comment)
1	128 905 3650	All-y-Cib (silver-lead), Talybont, Cardiganshire 5 — 182 Ballesvidden (th), St. Just, Cornwall 9 10 102 Ballesvidden (th), St. Just, Cornwall 9 50 104 Ballesvidden (th), St. Just, Cornwall 4 50 Bardon Consols (tin), Uny Lelant, Cornwall 5 5 — 183 Bawton (lead), Carrick, Ireland 5 7 5 5 4 Bardord United (copper), Tavistock, Devon 9 5 5 6 Birdord United (copper), Tavistock, Devon 104 4 Bishopstone (alver-lead), Glaunorganshire 9 7 10 Bishopstone (alver-lead), Glaunorganshire 5 5 5 5 18 Bishopstone (silver-lead), Glaunorganshire 5 5 5 5 18 Bishopstone (silver-lead), Glaunorganshire 5 5 5 18 Bishopstone (silver-lead), Wadebridge, Cornwall 4 4 Bodmist Gonosio (tead), Wadebridge, Cornwall 1 3 4 Bodmist Gonosio (tead), Wadebridge, Cornwall 1 1 16 Bosona (tin), St. Just, Cornwall 1 16 Bosona (tin), St. Just, Cornwall 1 182 200 Bishopston (silv), St. Just, Cornwall 1 182 200 Bishopston (silv), St. Just, Cornwall 1 182 200 Bishopston (silver-lead), Bishopston 12 8 Bishopston (silver-lead),
1	1280	Bedford United (copper), Tavistock, Devon 25 5 6 Birch Tor and Vititer (tin), Dartmoor, Devon 164
	1500 5000 8000	Bishopstone (silver-lead), Glamorganshire
1	1024 5000	Blaenavon (fron.), Sonth Wales Bodmin Consols (lead), Wadebridgo, Cornwall Bodmin Moor Consols (tin and copper), Bodmin, Cornwall St
1	128 60	Boscean (tin), St. Just, Cornwall 10 Boscean (tin), St. Just, Cornwall 10 Boscean (tin), St. Just, Cornwall 31 6
	1500 1500	Botallack (tin and copper), St. Just, Cornwall 182 200 Bridford Wheal Augusta (lead), Bridford, Devon 4 British Iron, New, regis, /iron), South Wales 12 8
1	2400	
	1000 107 406	Bryntall 52 10 12 10 12 10 12 10 12 10 12 10 12 10 11 11 11 11 11 11 11 11 11 11 11 11
	2000 1000 1000	
	1000	Camborne Consols (copper), Camborne, Cornwall 7 — Cameron's Steam Coal (coal), Swansea, Wales 7
	1168 1536 1000	Caradon Vale (copper and lead), St. Ive, Cornwall 12 12 14
	1000 3000 1056	Carbona (thi and copper), Crowan, near Camborne 5 10 Carn Breis (copper and tin), Hiogan, Cornwall 15 120 Carthew Consols (cop, & lead), near Wadebridge, Cornwall 4 7 Carvannall (copper), Gwennap, Cornwall 213 60 88 Com Bruno (lead), Carliganshire 6 40 50 Combiava (lead), Carliganshire 5 100 10 Comfort (copper), Gwennap, Cornwall 45 100 10 Cook's Richen (copper and tin), Camborne, Cornwall 20 115 120 Cook's Richen (copper and tin), Hlogan, Cornwall 5 2 Copper Betom (copper), Crowan, Cornwall 5 10 11 Combie Valley Quarry (slate), St. Ginnis, Cornwall 5 10 11 Contract Grange (sliver-lead), Cardiganshire 10 12 Craddock Moor (copper), St. Cleer, Cornwall 28 24
	200 500 128	Cem Bruno (lead), Cardiganshire 6 40 50 Comblavn (lead), Callington, Cornwall 5½ 4½ Comfort (copper), Gwennas, Cornwall 45 100
	256 2560	Confort (copper), Gwennap, Cornwall 45 100
-	1000 1000 900	Coonube Valley Quarry (slate), St. Ginnis, Cornwall. 5 2 Copper Bettom (copper), Crowan, Cornwall. 5 10 11 Court Grange (silver-lead), Cardiganshire 10 12 12 16 17 18 19 19 19 19 19 19 19
	211 1600 256	Craig-y-Mwyn (lead), Llanrhiadr, Montgomeryshire 8 10
	1000 2000	
	1000 7100	Cumpstwili (lead), Cardiganshire 60 90 Daren (silver-lead), Cardiganshire 2 8 Derwent (silver-lead), Durham 10 3 Devon and Courtenay Consols (copper), near Tavistock 6 1 14
	1040 1024 1000	Devon and Courtenay Consols (copper), near Tavistock. 6
	180 2560	Dolcoath (copper and tin), Camborne
	3000 1024	Devon and Courtenay Consols (copper), near Tavistock 6
	2500 1024 128	East Birch Tor (tln), North Bovey, near Ashburton 3 3 East Buller (copper), near Redruth, Cornwall 2 61 East Carn Brea (copper), Redruth, Cornwall 3
111	2018 150 256	East Crowndale (tin), Tavistock 74 14 East Daren (lead), Cardiganshire 14 51 524
7	4000 1024	East Crowndule (fin), Tavistock 74 14 East Daren (lead), Cartiganshire 14 51 52½ East Godolphin (copper), Crowan, Cornwall 18½ 13 East Godolphin (copper), Gunnis Lake 1½ 13 East Polgooth (tin), Cornwall 6 7½ East Polo (tin and copper), Pool, Illogan, Cornwall 24½ 80 90 East Seton and Wheel Maude, near Redruth, Cornwall 8 8 14 24 28 East Sharp Tor (copper), Cornwall 8 8 14 24
120	128 256 1024	East Pool (tin and copper), Pool, Illogan, Cornwall 24‡ 80 90 East Seton and Wheal Maude, near Redruth, Cornwall 4 East Sharp Tor (copper), Conwall 8
	9000 256 1000	East Tamar Consols (sliver-lead), Boer Ferris, Dovon 1½ 2½ 2g East Tolgus (copper), Redruth, Cornwall 1½ 3½ East Trescoll (dn), Lanivet, mear Bodmin, Cornwall 1 2 2½
	128	East Trescoll (111), Lanivet, near Bodmin, Cornwall
	256 1000 512	East Wheal Leisure (copper), Percanzabuloe 2 20 30
	128 1280 248	East Wheal Rose (sliver-lead), Nowlyn, Cornwall
	494 1024	Fowey Consols (copper), Tywardreath, Cornwall 40 30 Froidd Llwydd Mines (leud), Wales 14 31
	256 1000 4000	Esquar Liebe (each, Isanimanies-V-toyrin, Cardigin, 2
	100 256 2500	Gonamena (copper), St. Cleer, Cornwall
	256 2000 96	Grambler and St. Aubyn (copper), Redruth, Cornwall 80 35 374
	1024	Great Wheal Baddorn (tin and silver-lead), Ken, Cornwall 20 100 Great Sheba Consols (tin and copper), Stoke Climsland, 2 4 42
h	512	Gt.Wh.Rough Tor Consols (copper), near Camelford
	1026 512 1024	Gustavus Mines (copper), Camborne 4 6 Hawke's Point (copper), Uny Lelant, Cornwall 54 74 Hawkmoor (copper), Calstock, Gunnis Lake 5 17
	1500	Heignston Down Consols (copper), Calstock, Cornwall 2 2 2 3
	0000	Hibernian (copper), Ireland 121 18
	1900 1024 787	Koswick (lead), Portinscale, near Keswick. 11 23 Kingsett & Bedford (lead & copper), St. Mary Tavy, Devon 35 3 Kingsett & Bedford (lead & copper), St. Mary Tavy, Devon 35 3 Kirkeudurightshire (lead), Kirkeudurightshire, Scotland 85 55 Lamherooe Wheal Maria (copper and thi), Lamerton 11 10 12
,	2018 252 256	Lamherooe Wheal Maria (copper and thi), Lamerton 1 10 12
5	160 1000 100	Levant (copper and tin), St. Just, Cornwall
	1000	Liwynmalees (lead), Cardiganshire 91 910 Llynvi Iron (iron), North Wales 50 50
	5000 1 5000 1	Cow's Patent Copper Company
	128 1 1024 1 256 1	Metha (lead) Newlyn, Cornwall Mill Pool (tin and copper), St. Hilary and Germoe, Corn. Mineral Court (tin), St. Stephens, near St. Austell
	1024	Mining Co. of Ireland (copper, &c.), Waterford, Ireland. 751 5 47 5
	320 1 200 1	
	3000 1 1024 1 5000 1	2
	1024 1 1200 1 1000 1	North Buller (copper), Redruth, Cornwall 3 93 North Wh. Buller, or Gt. South Tolgus (copper), Redruth 5 7 North Levant (th and copper), St. Just, Cornwall 3
	140 1	North Roskear (copper), Camborne, Cornwall 45 420
	256 P 262 P 512 P	Sorth Tolgus (copper), Redruth, Cornwall
1	128 I 1026 I 1000 I	Par Consols (copper), St. Blazey, Cornwall
3	1934 I 1048 I 1000 I	Pennant and Craigwen (lead), Wales 3 3 entire Glaze, United (silver-lead), St. Minver, Cornwall 5 9
1	160 I 1024 I	enzance Consols (tin), Sancroed, Cornwall
1	512 I	Peter Tavy and Mary Tavy (copper), Tavistock, Devon . 24 67 Hymouth Wheal Yeoland (tin), Plymouth, Devonshire . 64 6 6 Ditto Preferential
	000 F 560 F 500 F	Ditto Preterential 10
10	0000 I	Chymney Iron (Iron), Rhymney, South Wales
2	0000 F 0000 F	toche Moek (tin), Roche, near St. Austell 5 6 7 tunnaford Coumbe (tin), Devon 2 3 4 tunnaford Coumbe (tin), Devon 2 3 4
2	256 S	outh Caradon (copper), St. Cleer, Cornwall 5 230 outh Carn Brea (copper), Illogan, Cornwall 10
	100 S 286 S 286 S	outh Dolcoath (copper), Illogan, Cornwall 6 34 outh Friendship Wheal Ann (copper & tin), Devonshire 30 28 30 outh Molton (lead), Devonshire 20 124 124
l ii	024 S	outh Plain Wood (copper), Ashburton, Devon 2 6 7 outh Speed (copper and tin), Uny Lelant, Cornwall 15 30
100	000 S 256 S 256 S	outh Tolgus (copper), Redruth Cornwall 15 15 led
	000 S 256 S 124 S	
	256 S	outh Wheal Josiah (copper), Calstock, Cornwall 3 4

	584		
Sha	BRITISH MINES-Co anneed.	Paid.	Price.
9	80 Spearne Moor (copper), St. Just, Cornwall	10	60 61
9	55 St. Aubyn and Grylls (copper and tin), Brease, Corn 54 St. Ives Consols (tin), St. Ive's, Cornwall 55 Minver Consols (allver-lead), Cornwall 56 St. Minver Consols (allver-lead), Cornwall	1	
10 96 6	ou Stray Park (copper), Camporne, Comwan	4	51
40 60	00 Tyn-y-Werglod (slate), near Carnarvon, North Wales 00 Tincroft (copper and tin), near Pool, Cornwall 00 Tokenbury (copper), St. Ive, near Liskeard	1	11 124 1
10	Tolcarne (tin and copper), Camborne, Cornwall	1	5 5# 14 16
10: 20: 5:	Trebell Consols (tin and copper), Lianivet, near Bodmin Treburget United (lead), St. Teath, Cornwall	11	11
500	Of Tregear Consols (antimony and silver-lead), St. Kew Tregorden (silver-lead) Wadebridge, Cornwall	10	2 24
500 100	66 Trehane (silver-lead), Menheniot	6	3 34
200 150	0 Trenance (copper), Helston, Cornwall	6	7 8 8 34 4
	6 Tresavean (copper), Gwennap	5	31 4 130 140 18 240
51 51	2 Trethey (copper), St. Clear, Cornwall 2 Treville (lead), Lewanick	1	67
100 50	4 Trowan Consols (tin), Towedsneck, Cornwall	3	10 24 374
500 102	0 United Mines (copper), Gwennap Warleggan Consols (copper), Cornwall Wellington Mines (copper and tin), Perranutinge, Corn.	300	164
109	5 West Duner (copper), nourath, Cornwaitererererer	10	10 101 750 95 98
12	West Caracon (copper), strategra	40	60
204 102 250	West Poleooth (tin) St Ewe and St Mawan Cornwall	10	124
51 20 94	West Frontenes (tin), St. Erin, Cornwall West Seton (copper), Camborne, Cornwall West Tolorus (copper), Illogan, Cornwall	10 45 1241	40 41 180 0 104 11
513	West Trethellan (copper), Gwennap, Cornwall	54	20 14 3 4
384 204	West Wheal Jewel (tin and copper), St. Day, Cornwall West Wheal Rose (lead), Cornwall	12	3
102- 102-	West Wheal Treasury (copper), Gwinear, Cornwall West Wheal Virgin (tin), Sancreed, Cornwall West Wheal Virgin (tin), Sancreed, Cornwall	6	14 15 5 2
1024 5200 5000	Weston (lead)	å	175 18 34 34
1000	Wheal Adams (lead), Christow, Exeter	134	16 5 6
128 300	Wheal Ann (tin), near Helston, Cornwall	17	28 29 80 90 50
2048 3075 120	Wheal Argusta (tin), St. Just, Cernwall	10	4 14
256 1024 232	Wheal Bray (copper), Alteroum, Cornwall	111	5 10
256 268 1024	Wheal Courtenay (copper), Cornwall	20	23
500 182	Wheal Elizabeth (copper), Redruth, Cornwall	5	524
1024 1024 764	Wheal Franco (copper), near Tavistock, Devon Wheal Franco (copper), near Tavistock, Davon	41	10#
100 128 1000	Wheal Friendship (copper), Deven	70	65 120 3
4000 1000 1000	Wheal Golden (lead), Peranzabuloe, Cornwall Wheal Grose (alver-lead, copper, &c.), near Wadebridge Wheal an-Grose (tin), St. Columb Major, Cornwall Wheal Harriet (copper), Camborne, Cornwall	2	5 6
2560 1024	Wheal Harriet (copper), Camborne, Cornwall	3	4 44 5
2048 216 256	wheat Kingston (copper and silver-lead), Stoke Chinstand	-	1 4 2 8 12 14
2000 112		79	2 24 1 14 160
1024 990 512	Wheal Mary (copper), Redruth, Cornwall	141	7# 59 60
1034 1080	Wheal Mary Ann (lead), Menheniot Wheal Neptune (copper), Perranuthnoe, Cornwall Wheal Oak, near Helaton, Cornwall Wheal Penhale (lead and copper), Cornwall	14	14
3000 128 128	Wheal Pollard (copper), St. Cleer, Cornwall	15‡	38 39
5000 -120	Wheal Providence, South Sydenham, Devon	1	7 1# 150
1024 198 1056	Wheal Seton (conner), Camborne, Cornwall,	5	4 4# 260
512 512 129	Wheal Sarah (allver-lead). St. Kew, Cornwall	61	7
1000 512	Wheal Squire (copper), St. Erth, Cornwall	·	3± 20 21
1100 520 256	Wheal Tremains (copper), St. Ervan, Cornwall	1	6 44 45 21
1024 267 126	Wheal Tryphena (tin and copper), Camborne, Cornwall 4	94	19# 20 30
1024 1000	Wheal Venton (silver-lead), Liskeard, Cornwall	31	7 10
128 128 184	Wheal Violet (tin and copper), St. Stephens, St. Austeil. Wheal Viow, Perranzabuloe Wheal Vivyan (copper and tin), Constantine, Cornwall	3	5 60
	FOREIGN MINES.		
5000 2000 5000	Alten Mining Company (copper), Norway	****	3
6000	Australian (copper), South Australia		
2000 2000 0000	Cobre Copper Company (copper), Cuba	32	5
5000 5000 5000	Linares (lead), Spain	5	31
500 8051 0000	Ditto New	****	3
5000	National Brazilian (gold), Brazil 30	31	3

Mexican and South American (silver), Mexico 8 1 1½ National Brazilian (gold), Brazil 30 33 33 North British Australasian (copper), S. A. & Mew Zea. 4 4 Royal Santiago (copper), Guba 10 8 9 St. John del Rey (gold), Brazil 15 16 United Mexican (silver), Mexico Av. 284 6 6 Worthing (copper), "Adelaide, South Australia 2 2

CURRENT PRICE OF GOLD AND SILVER. Foreign gold, in barsper ox. £3 17 9 New dollars....... per oz. £0 4 111 Portugal pieces... 0 0 0 Silver in bars (standard) 0 5 1

COAL MARKET, LONDON.

PRICE OF COALS FEE TON AT THE CLOSE OF THE MARKET.

MONDAY.—Buddle's West Hartley 15—Carr's Hartley 15—Coxon's West Hartley 14
—East Adair's Main 12 6—Hedley's Hartley 14 6—North Percy Hartley 14 6
—Ord's Main 14—Revensworth West Hartley 14 6—South Pearesth 12 6—Tanfield Moor 13 6—Tanfield Moor Butter 13—West Wylam 13 6—Walsm-14 6—Battley 14 6—Original Gibson 14—Riddell 14 3—Walker 14 6—Beil 15—Braddyll 15 6—Hetton 16—Hasvell 16 3—Lambton 15 9—Richmand 15—Russell's Hetton 15 9—Sear-borough 15—Stewart's 16—Bishop's Primrose Main 14—Kellos 15 3—Whitworth 13—Adelaidr Tees 15—Maclean's Tees 14—South Durham 14 6—Tees 16—Woodyfield 13—Beglie's Hartley 14—Brancepeth Coke 23 6—Cowpen Hartley 16—Derwentwater Hartley 15—Hartley 14 to 14 6—Ships at market, 118; sold, 63.

WEDNESDAY.—Buddle's West Hartley 15—Carr's Hartley 15—Coxon's West Hartley 14—Gord's Main 14—Tanfield Moor Butte's 13—West Wylam 13 6—Wylam 14 9—Wall's-End Gosforth 15—Original Gibson 14 6—Rich 16 9—Lambton 16 3—Russel's Reton 16 3—Wylam 14 9—Wall's-Worth 13 3—Adelaide Tees 15 3—South Durham 14 9—Whitworth Coke 21—Hartley 14—Bodde's West Hartley 16—Carr's Hartley 15—Hedley's Hartley 16—Battley 16 16 3—Wylam 16 3—Wylam 16 0—Hawell 16 9—Lambton 16 3—Walsen 16 3—Wylam 16 0—Hawell 16 9—Lambton 16 3—Walsen 16 3—Walsen

14,—Samps at market, 96; 8010, 29.

FEIDAY,—Baddle's West Hartley 15—Carr's Hartley 15—Hedley's Hartley 14—Holy well 15 6—North Percy Hartley 14 6—Ord's Main 14—Ravensworth West Hartley 14 6—Tanfield Moor Ji 36—Tanfield Moor Bute's 13—West Wylam 13 6—Wylam 15 8—Wall's-End Gosforth 15 3—Riddell 15—Eden Main 15 6—Belmont 15 6—Hetton 17—Haswell 17—Lambton 16 9—Russel's Hetton 16 9—Whitworth 13 3—Adelaide Tees 16—South Dursham 15—94. Helen's Toes 14 6—Tees 16 6—Birchgrove Graigola 19—Whitworth Coke 21—Hartley 14.—Ships at market, 30; sold, 23.

NOTICES TO CORRESPONDENTS.

In the "MINING JOURNAL" of the 4th of Januar, 1851, will appear the

The Wistory of Mining,

ITS RISE AND PROGRESS: together with Notices of the Early Muthods of Working; Ancient and Modern Inventions, with their subsequent Infraveneurs; comprising also A SKETCH OF METALLURGICAL OPERATIONS,

from the EARLIEST PERIOD to the PRESENT TIME.

The Great Orhibition. In the "MINING JOURNAL" will also be given a detailed description, with all necessary illustrations, of every object connected with MINING and ENGINEERING, which may be produced at the forthcoming Great Exhibition.

The Compendium of British Mining, BY J. Y. WATSON, ESQ., F.G.S.

We have the pleasure to announce, that Mr. Watson has consented to revise and cor-rect, to the present time, his interesting EPITOME OF BRITISH MINES, for repul-lication in our Journal, and that the first portion will appear on the 4th January next. In the "Compendium of British Mining," it will be remembered, the actual position of the different mines is accurately described, both as to capital and working.

At the end of each year, a copious Index is published, which renders the volume an in-interesting and valuable record.

e must impress upon our correspondents, the necessit us with their names and addresses—not that their cor-sequently, be noticed, but as an excuest to us of their s

THE CWM EARIN MINE.—We have received copies of aeveral letters which have passed between Capit. Absalom Francis and Mr. John Taylor, jun., respecting the management of this mine. However much we may deplore the existence of disastisfaction, we cannot think the publication of such correspondence as that forwarded would in any way tend to allay the feeling, or remedy the evils complained of. If Capit. Francis would, in a report on the property, point dispassionately to the course which should be pursued to bring the adventure into a profitable state of working, we have no doubt from his great practical experience and acknowledged ability. Mr. Taylor would pay every attention to his suggestions, for his own sake as well as that of the adventures.

every attention to his suggestions, for his own sake as well as that of the adventurers.

KNOSETT AND BEDVORD MINE.—We think it better, on consideration, to withhold Mr.

Jury's letter, which appears to us calculated to revive matters that had better be forgotten, and obstruct the good understanding which it is the interest of all parties to
establish. Mr. Jury cannot, we are sure, wish his communication should produce the
effect, especially after the unequivocal desire expressed by his friends to arrange all
past differences. We willingly publish, however, his disclaimer of any wish to obtain
the pursership for himself, a post which he affirms to be wholly inconsistent with the
position of broker, as giving too many opportunities of jobbing the shares to suit the
purpose of the party interested. This public denial will, doubtess, answer the main
purpose of his letter.

he quotation of Tincroft shares, in last week's Journal, was an error—instead of 10, it should have been 10 . 11.

should have been 10²₅, 11.

Owen Jones (Adelaide). —Calcining in the open air can only be effectually performed with ores containing large quantities of sulphur.

"A Linares Shareholder."—Our correspondent will, perhaps, be better satisfied with the course proposed by the chairman, and agreed to by the meeting last week, when he reflects on the comparatively negative results of the system of management hitherto adopted. The step resolved upon—via., the formation of a smelting capital, was a bold, but we think also a wise one. With a less decided chairman, the shareholders would, perhaps, have been content to go on for an indefinite period, without being able to pronounce their speculation positively bad, yet with no recasts to justify much satisfaction. With more capital they may, on the grounds indicated, and the good reports of Messrs. Thomas and Curry, expose more favourable results, and, at least, will have the satisfaction of knowing that one main obstacle to larger returns will be removed.

"W. C." (Bond-street).—The experiment has already been made. From a communica-

the satisfaction of knowing that one main obstacle to larger returns will be removed.

W. C." Bond-street).—The experiment has already been made. From a communication we have just received, it appears that the conical shadowless gas burner has been found by repeated trial to give the light of 24 candles, with a consumption of only 43 feet per hour. It is proper to state, however, that the gas employed was the Cannel gas of the Western Ga-Company. Further trials will be made with this burner in the course of a few days with the gas of the Chartered Company, from the works in Bricklane. We will give the results in a fature number.

The Electric Liont.—We are again compelled to postpone, till next week, the inser-tion of "Beta's" third letter, respecting the "attempt to deprive Measrs. Statle and Petrie of the honour and profit of their original invention for maintaining the con-tinuity of the electric light by the dynamic power of the current itself." The great press of matter, coupled with the fact that the communication did not reach us till Friday, are the causes of the postponement.

Friday, are the causes of the postponement.

An Inquirer," respecting the Tyn-y-Werglodd Slate Quarry, is informed that a brie notice appeared among our City Mining Intelligence last week, and from which he may gather something concerning the state and prospects of the company. Our authority for alluding as favourably to the prospects of the company we consider unexceptionable. It appeared also in our Share List, with the current price, to which we It appeared

therity for alluding so favourably to the prospects of the company we consider unexcoptionable. It appeared also is our Share List, with the current price, to which we
refer our correspondent.

An Inventor."—The date of the patent of Mr. Joseph Gibbs, C.E., is May 7: it is for
"improvements in artificial stone, mortar, and cements, and in the modes of manufacturing the same." The specification has not been published, that we are aware of,
but any particulars can be obtained of Mr. Campin, the patent agent, 210, Strand.
J. C." (Glasgow).—By referring to the Journal of Nov. 2, a description will be found
of the improvements in mine machinery to which our attention is directed. On comparing our notice with the account, illustrated by engravings, given in the "Fractical
Mechanics' Journal," we find it in all respects accurate, and audiciently explanatory
to enable the very ingenious contrivances of the Measrs. White and Grant to be fully
appreciated.

J. T."—The office of the English and Cambrian Assurance Society is in New Bridge-atreet, Blackfriars.

atreet, Blackfriars.

¹G.B." (Peoi).—The required particulars will be found in our "Glossary of Mining Terms," which can be obtained through any bookseller, price 2s.

²B.S." (Selby).—Address a note to Mr. Thos. Dunn, of the Windsor Bridge Iron-works, Manchester, who will forward a description of his patent traversing frame, which we believe to be the invention alluded to.

Manchester, who will forward a description of his patent traversing frame, which we believe to be the invention alluded to.

"T. B. L." (Manchester).—The orea which have been multed at the Elbe Copper Works have principally been obtained from South America; one or two cargoes from South Australia have likewise, we believe, been successfully treated there.

Elchard Jones (Cardiff).—The Davy lamp has 784 meshes in the wire ganze cylinder in the square inch, and it has long been known that if the meshes were of a more open texture, for the purpose of giving a more suitable light, explosions in coal mines would even be more frequent than heretofere. Again, if the meshes in the Davy were smaller, so as to afford more asfety to the miner, the light, of course, would be so insignificant that no pitman would attempt to work with such a lamp. It is a curious fact, that the above-mentioned inconveniences are happily obviated in the construction of the Clanny lamp; for in the latter are from 784 to 1936 meshes in the aquare inch, through which the air for combustion passes downward in asfety through the meshes within the whole cepth of a very thick glass cylinder. By this arrangement, from scientific discovery, the atmospheric air, when mixed with fire-damp at the exploding point, is rendered innoxious, being greatly expanded, and the Same of the oil imponentuse longer than in that of the Davy, and in perfect safety, readily indicating through the glass cylinder any change in respect to the fire-damp contained in the atmosphere of the coal mine. From the flame of the oil lamp being surrounded by the glass cylinder, no blower or strong current of air at the exploding point can reach the flame, nor can the pitmen light their pipes at the dame. The Clanny lamp gives out four or five times more light than the Davy.

The journey from London to York can now be accomplished in rather over 5‡ hours : the first-class express train on the Great Northern Railway leaves King's-cross at 9.15, and arrives in York at 2.50. From Glasgow to London, by the same line, occupies 15 hours W."—Mr. S. Reed's invention of metal chairs and sleepers, "for an entire construction of metal railway, in substitution of stone blocks and wooden sleepers," was specific

M."—The mode of manufacturing lucifer matches is by first dipping the end of the woo in sulphur, and then in a solution of phosphorus, with warm water, this is afterward covered with gum water, to protect the phosphorus from the air. By rubbing the en-of the match on sand paper, the thin coating of gum is seratched off, and the phos-phorus, being heated by the friction, takes fire and ignites its sulphur.

overed with gum water, to protect the phosphorus from the air. By rubbing the end of the match on sand paper, the thin coating of gum is seratched off, and the phosphorus, being heated by the friction, takes fire and ignites the sulpiur.

Life is Prace, AND No Porray I — A pumphlet under this pithy title, from the pen of Mr. C. Colwell, a gentleman not long since a contributor to our columns, has been forwarded to us. The brochure, which has, doubtless, been elicited by the popular ferment on the absorbing subject of Papal aggression, is not exactly of the class usually neticed in the Mining Journal, whose object it is to steer clear, as much as possible, of all social controversies, and especially those of a religious character. We have, nevertheless, glanced through Mr. Colwell's pamphlet, and feel no difficulty in awarding him credit for an earnest zeal and sincere desire to throw additional light on the subjects treated of. His object, as is revealed on the title page, is to show "the true source of the conversion of Britain unto Christianity: the rise and progress of Protestantism, with a visible succession in our Charcli from the time of Christ."—than which, to jous minds, no questions of greater perpickty could probably be adduced. Mr. Colwell, however, appears to think that he has cut up Popery by the roots in proving, as he manifestly believes he has done, that Christianity was planted in Britain by the Apostles, Peter and Paul, or, if not by them, by their immediate disciples. The space allotted to the discussion of this point being very limited, Mr. Colwell dispenses with thying us more than a very scanty portion of authorities; and the reader, even after a perusal of the work, may reasonably doubt whether anything certain is known of the maiter. As to the "visible," or, we presume, "A postolic "succession, however unscrupulously it may be claimed by the Romish Church, it is regarded as a much more dubious point by our own, as Mr. Colwell may perceive by referring to the Morning Heraid of the 29th of

J. H. F." (Beerferris).—We received another report, which states that the wast Wheal Langmaid is to prove the unite at the 15 fm. level. Which is corn. R. W." (Lincoln).—The office of the British Electric Telegraph Company Royal Exchange, London; the directors are—Measrs. J. Simpson, J. C. Cobb. W. Gilbertson, A. Henderson, E. Highton, sen., E. Highton, W. W. Pears Scott, and T. Webster.

Scott, and T. Webster.

Minns Inservitors.—Mr. Maithias Dunn, of Newcastle, is appointed Govern spector for Durham, Northumberland, Cumberland, and Scotland. Mr. Durknown to our readers, from his many valuable communications; and M Diokenson, who has also contributed largely to our columns, has been for seve colliery viewer under the eminent firm of Sir John Guest, Bart., in South "S. H." (Salop) had better write to one of these gentlemen.

Mr. Ennor's letter shall be inserted in our next Journal.

TO THE EDITOR,

irmal Office. 26, FLEET-STREET, LONDON.
nd Post-office orders made payable to Wm. Salmon Mansell, as acting for the proprietor:

THE MINING JOURNAL

Mailway and Commercial Sagette. LONDON, DECEMBER 7, 1850.

ha Mining Jouanal is published at about Eleven o'clock on Saturday morning, at the office, 26, Flost-street, and can be obtained, before Twelve, of all news agents, at the Royal Exchange, and other parts of London.

In our Journal of Nov. 23 we called the attention of our readers to the important fact, that the Government had at last appointed inspectors to carry out the provisions of the Mines and Colleries' Act, which received the Royal Assent in August. We have no doubt the appointment of these gentlemen will be hailed with satisfaction in the coal districts, as, in addition to their well-known scientific attainments, they are possessed of the requisite practical knowledge to enable them to perform efficiently their arduous and difficult duties. Although the number at present nominated is but four and, consequently, too few to undertake all the herculanean labour assigned to them; we cannot but imagine that this is but a preparatory step on the part of the Government, and that in the course of a few days their number will be considerably augmented; at the same time, we must express a hope that, the Government will be equally as fortunate in their next selection as they have been in the present. We are not aware witat may be the intentions of the Scoarratar of States; but if the Act is to be properly brought into operation, it will be seen that the present nominations are too limited to embrace the wide and extensive district which they will be required to impect, and in some measure control. To our thinking, the localities in which collieries lay should be parcelled out into districts; it o every one of these an impactor should be appointed, whose duty it would be to reside in some central point, so that he could be easily accessible in cases of emergency, or when his advice and assistance was needed. The size of these districts would naturally depend upon the numbers of the collieries, deptis, extent, and other local considerations; in no case should the circuit be so extended that it would render it a matter of difficulty for the chief inspector, should be provide and assistance was needed. The size of these districts would naturally depend upon the or districts in the collieries in the neighbourhood of which they wil

in conjunction with the coal owner, to frame a code of regulations for the government and safety of the labourers. In addition to the general unges of the mines, stringent rules should be adopted with regard to the safety lamps, attending to the ventilating furnace by day and night; and it may be supposed that if every miner strictly abides by the orders of his superiors, there is a moral presumption that in a mine so regulated explosion will not frequently happen. We do not mean to assert that, by the enforcement of these rules, accidents will never occur; however perfect the arrangements may be, coal mines producing inflammable gas will at all times be liable to unforseen events. The neglect of doors, the demolition of stoppings or brattices, the sudden eruption of inflammable air by means of blowers, and, lastly, the non-compliance of the workmen with order, may (and often do) produce serious explosions in collieries regulated on the most perfect and approved principles; and as the northern collieries from the magnitude of their works, have larger complements of men, the loss of life is generally greater than in those of other districts—thus giving a colour to the assertion, that it is owing to imperfect ventilation. The chief inspector, on receiving the report of his subalterns, should make a annual report to the Government of the occurrences that have taken place in his district; the should attend all coroners' inquests, listen to and investigates the representations of the operatives, and to examine into the state of the works, to attend in all cases of accident, and suggest general messures of safety and precaution, and to see that in each locality a proper provision of brattices, and other means of restoring ventilation in cases of explosion are prepared, as the saving of time on such occasions is so in

rea and pos imp

vent tute

Social Sc., on the state of the

perative for the saving of life. He should have the power of suspending such workings as were satisfactorily made out to be in a dangerous state, as it is not only by explosion lives are lost, but by unguarded machinery, want of timber, neglect of officials, bad ropes and chains, and other minor matters, he could exercise a control without being "over meddling." As it will be seen to be quite necessary that the coal owner should have the power of appealing against the unreasonableness of any order that might emanate from the inspector, a distinct body, consisting of other inspectors or commissioners appointed by Act of Parliament, would have to be formed. The great objection hitherto to inspection has been the fear that it would be too intermeddling, and as such repugnant to the feelings and habits of Englishmen; in other cases people have objected to projects for improvements, because they were unwilling to pay for the opinions and advice of strangers, under an uncertainty whether or no they will derive any benefit; and as no stranger is entitled to force his opinions upon persons unsolicited, hence the slowness with which mining improvements progress. In throwing out these suggestions, however incomplete they may appear, and capable of further improvements, we by no means wish to obsinde our opinions on any class; but the question is of such vital importance, that we consider we should have been wanting in our duty if we had allowed the subject to pass unheeded or uncared for.

From the Board of Trade returns we extract the exports and imports of metals for the month ending the 5th of Nov., as well as the corresponding month of last year. It will be seen from the subjoined account, which refers to the exports of British and Irish produce and manufactures only that the exports of copper have been on a rather larger scale than last year, whilst iron remains about the same. Lead has slightly fallen off, but in unwrought tin a considerable increase is to be noticed, which is still more observable as contrasted with the same mouth in 1848, when the exports of this metal were only 1103 cwts. The returns of exports are—

Metals.	EXPORTS.		Lillian a	1850.	
Iron, pig		9408	*****	10727	
		28304			
		207	*****	294	
		894	*****	1176	
	ts			9879	
		643	*****	898	
Copper, in bricks and bi	gs Cuts.	11057		13082	
sheets, nails,	&c. (including mixed or yel-				
	other sorts	1181		886	
				1832	
Lead		1805	** ** **	1612	
				3903	
Tin-plates-value	£	5 -		1100	
	A CANADA AND AND AND AND AND AND AND AND AN			48-00	

Of metals of foreign and colonial origin the exports, during the sam month of 1849 and 1850, are as under:—

aders doubt

entific

t four

at the ill be en in it into mited be re-

duty

erandi ticable

es, and le can-be per-il him-

migh

ith the

diar

notes

usages
safetyit may
his suplosion
the enect the
at all
colition

means orders, ated on llieries, en, the giving

ake as in place linver-ne state il mes-proper cases of so im-

	1849.	1850.
Copper, unwrought and part wrought		
Iron, in bars, unwrought	556	
Steel, unwrought	194	
Lead, pig and sheet	90	
Spelter	600	147
Tin, in blocks, ingots, bars, or slabs		
Quicksilver	6163	10291

The returns for the 10 months show that in the various articles coming ader the head of metals and mineral produce, there has been an increase

ider most neads:	1848.	1846.	1850.	
Iron, steel, hardware, &c		£593,467	£641,394	de
Copper and brass		152,755	162,319	4
Lend	7,617	32,134	27,042	
Tin		62,569	67,438	10
Coals and culm	90,178	88,201	86,889	
Sait and alkali		42,670	42,076	
Earthenware		59,260	67,328	
Glass	18,820	21,797	20,245	7
	-	-	SALE STATES	14.3
781-4-3	duct our			

With the exception of spelter and tin, both of which exhibit a large decrease, the returns of imports show that the introduction of foreign and colonial produce has greatly increased, especially of unwrought and partly wrought copper, of which the imports are nearly double those of the same month last year. The import returns are as follows:—

Metals.	IMPORTS.	1849.		1850.
	(entered under Act 8 & 9 Vic.,			
	Tons	-		-
Copper weight of metal.		-		-
and previous	Act 11 and 12 Vic., c. 127, resolutions)			4471
,, unwrought and	part wrought Cwts.	4441	*****	8549
Iron, in bars, unwrough	t Tons	3234		3763
Steel, unwrought		291		2
Lead, pig and sheet		586		1051
Spelter		4179		1968
Tin, in blocks, ingots, ba	ra, or slabs	5700		3516
Quicksilver		477705		100161

Of articles coming into competition with	our	mini	սելո	tere	era rue
ports have been as follows:-	1848		1849.		1850.
Brimstone	1090		1425		1670
Barilla and alkali	6.9		155		253
Iron, in bars	8314		3234		3763
Steel	20		291		2
Lead	22		586		1051
Tin	44		28		175
Of other mineral produce the import has b	een-	_			
	1848		1849.		1850.
Copper ore, &c Tons	1687		3886		4471
Zinc	1106		4179		1968
Saltpetre	2254		1557		2192
Quicksilver	min		215		48

A NEW LIGHT.

We understand that improvements in lighting, of an extraordinary character, are in course of being practically tested, and which promise to realise results of a most remarkable nature, both with respect to economy and great facility of production. We shall give full details as early as possible, and which, we have reason to believe, will prove of the utmost importance to the public generally.

PATENT LAW REFORM.—The committee appointed by the Society of Arts held their third meeting on Wednesday. The members present were the Right Hon. Thomas Miner Gibson, M.P. (in the chair); Henry Thomas Hope, Esq., M.P.; Henry Gole, Esq., Richard Prosser, Esq. (of Birmingham); R. S. Newall, Esq. (of Gateshead); Prof. Solly; and Capt. Ibbetson. The resolutions unanimously passed are as follows:—1. That a collection of all the specifications be made, calendared, and indexed, and deposited, for public information, in the British Museum.—2. That it is highly desirable that such a collection should be printed and published.—3. That an annual report of all specifications registered, with proper indexes and calendars, ba laid before Parliament.—4. That it should be permitted to commence actions for infringement of the rights of inventors in the county courts.—5. That, inasmuch as, contrary to expectation, very little litigation has been created by the rights conferred by the Designs' Acts of 1842 and 1843, the committee is of opinion that a fair trial should be given to the working of the proposed system of registration of inventions before any special tribunal, to determine inventive lights be substituted for the existing ones. PATENT LAW REFORM.—The committee appointed by the Society of Arts

ON THE PSEUMATICS OF MINES.—At a meeting of the Neath Philosophical Society, held on the 2nd inst., Howel Gwyn, Esq., M.P. (the president), in the chair, the first of a series of papers was read by Mr. Joshua Richardson, F.G. S., &cc., the object of which is to give, in a compendious form, a complete treatise on the principles and practice of mine ventilation. In his introductory remarks, the author stated that at present this information was diffused throughout numerous scientific works and the bulky folios of parliamentary and other official reports, which the underground managers of collieries had neither the means to obtain nor the requisite leisure to peruse. Were the agents better informed as to the phenomena and natural laws upon the operation of which the efficient ventilation of mines depends, the writer conceived that many terrible accidents would be avoided, and when they did unfortunately happen, the loss of life would be diminished. The author then processed to treat on the chemical properties of atmospheric air, its uses in the economy of nature, and the quantity required in a well-ventilated mine. The constituent elements of air, and the gases of which it is composed, were described; its decomposition by the processes of respiration and combustion, and its restoration to vitality by vegetables, were then enlarged upon; and the quantity of air required in a mine for the chemical purposes of combustion and respiration only was deduced from analyses and calculation. The paper excited great interest, and the thanks of the society were unanimously given to Mr. Richardson, who, in acknowledging it, said that his next paper would be on the quantity of air required for the dilution and dispersion of noxious gases produced in mines.—Swansea Herald.

CANNEL COAL-GAS.

THE BRING FOLLOW

We have had forwarded to our office some specimens of a newly-dis-covered Cannel coal. It is found at Boghead, near Bathgate, a little to the west of Edinburgh, and appears to be very highly charged with gas; indeed, so much is this the case, that when a piece of it is lighted at a taper it ignites as freely as a piece of wood, and can be carried about in the hand, burning like a candle; and hence we are induced to give it this particular notice.

This coal will probably enable gas manufacturers to meet the wishes of the public (particularly in London), by supplying gas of a higher illuminating power, and greater durability, than that generally used hitherto in d. The coal employed in London, and most parts of England, for

nating power, and greater durability, than that generally used hitherto in England. The coal employed in London, and most parts of England, for the production of gas, has been, up to the present time, either the Newcastle or Wigan Cannel coals, or the caking coals of the English and Welsh coal-fields. Now, these coals, although of first-rate quality for household purposes, have not proved so well adapted for the manufacture of gas as the Scotch Cannel coalshitherto employed for that object; whereas the newly-discovered coal alluded to above is stated to produce gas of an extremely valuable and pure description, and taking its extra yield into account, it appears to be 50 per cest, superior to any of the coals now used for gas-making.

The great objection hitherto to the use of Scotch Cannel coal in London has been the expense of transporting it from the collieries. But this becomes obviated, in a great measure, by the new discovery; for, while the yield of the best descriptions of Cannel coals employed, up to this time, is only about 10,000 cubic feet per ton, an analysis of the newly-discovered coal by the well-known chemist, Dr. Fyfe, of Aberdeen, shows that it yields upwards of 14,000 cubic feet of gas per ton. In addition to this, the durability of its gas is considerably above the average; and while the illuminating power of 5 ft. per hour of the gas produced from Newcastle and Wigan Cannel coals does not exceed that of 25 standard candles, and the gas produced by the caking coals of England is not, upon an average, more than that of 16 or 18 candles, and the gas of the Welsh and Dean Forest coals is only equal to 9 or 10 candles, it appears, from the beforementioned analysis of Dr. Fyfe, that the illuminating power of 5 feet per hour of the gas of the newly-discovered coal exceeds that of 38 standard candles. But another striking advantage of this newly-discovered coal is, that its gas is particularly adapted for mixture with that produced by the inferior Parrot and coking coals; for, by this admixture, t

COAL FOR GAS.—The Journal of Gas Lighting has an elaborate article on the comparative lighting powers of different kinds of coal, and the respective values of their residuary products. From this article we have compiled the following table. Five cubic feet per hour of the gas produced by each description of coal, it must be understood, gives a light equal to the number of candles stated in the first column of figures. The second column shows to what proportion of the cost of the coal the residuary products are equivalent.

1	the characteristic case, and the service was a little of the	Candles.	Table	Per cent.	
	Scotch Cannel	20 to 33		5 to 20	
	Newcastle (Ramsay's) Cannel	22 to 25		30	
	Wigan Cannel	20 to 23	*****	20 to 25	
	Newcastle Coking Coal	11 to 15	*****	50 to 55	
	Derbyshire ditto				
	Yorkshire ditto				
	Lancashire ditto				
	Cumberland ditto	10 to 19		35 to 40	
	Gloucestershire ditto				
	Cheshire ditto	10 to 12	*****	20 to 25	
	Somersetshire ditto	9 to 10	******	40 to 45	
	Staffordshire ditto	9 to 10	*****	35 to 40	
	South Wales and Dean Forest ditto	8 to 9	Cast Laure	45 to 50	

WATER GAS.—A company has been projected in America, with a capital of \$500,000, for carrying out this invention. At a meeting of the shareholders, it was decided that the privilege of lighting many of the States should be put up to competition, and so sanguine was the feeling of success, that the premiums so realised amounted to \$119,600 above the capital stock. It is said that machinery is preparing as fast as it is possible to turn it out for various parts of the States. The celebrated Astor-house has for some time been lighted with water-gas, at a cost of about one-fourth that previously charged for coal-gas, the light being equal.

A "BLACK DIAMOND" FOR THE GREAT EXHIBITION.—An extraordinary piece of thick coal, weighing from 5 to 6 tons, has been cut and dressed by Joseph Cockney, the butty, at Mr. Round's Tividale Colliery, Tipton. The coal is of circular shape, 6 it. high, 6 feet diameter, and 18 feet in circumference; the surface is romarkably smooth, and as bright as a looking glass. It is intended to forward it for the Exhibition, on the trolley, or waggon, as it now stands, with the tackle used in raising it, picks, &c., complete.

THE INDUSTRIAL EXHIBITION OF 1851.—The important colony of Canada is making great exertions to be worthily represented in the Great Exposition. Ninely packages, the first instalment of about 300 intended to be forwarded, are already on their way thither, and are daily expected to arrive; they are consigned to Mr. H. Houghton, of Friday-street, the agent here of the Canadian Executive Committee. These packages contain raw materials and manufactured goods—ores, minerals, grain, cloths, carpetings, mechanics' tools, &c. The principal object which the Canadians have in view is to show that the small capitalist, who purposes to emigrate, stands as fair a chance of succeeding in that country as elsewhere. The various grains reared in England are produced there abundently; there are mines of iron, lead, copper, coals, and other natural productions, which might be advantageously worked. We understand that Mr. Logan, the eminent geologist of Canada, will be deputed by the Capadian Government to superintend the arrangement of the ores and minerals in the "chrystal palace." the "chrystal palace

We stated in our last Journal that the Rocky Bar (California) Mining Company had declared a dividend of 100 per cent.; we have since been informed that "the adventurers are chiefly experienced miners. Some of the specimens of auriforous quarts from their location are the richest which have ever been found in California, and the vein is apparently unlimited in extent; from experiments, it is estimated that it will yield an average of 20 cents of gold to 1 lb. of rock. The machinery, which will be in operation next spring, will easily crush 40 tons per day, which will give a net daily product of \$16,000, or \$4,800,900 per anum, of which expenses of all kinds may probably eat up \$500,000 cents of the present dividend have been derived from the bed of the river, and not from crushing the rock."

MINERAL WEALTH OF THE CLEVELAND HILLS.—Ironstone is now worked in the Cleveland (or Yorkshire) hills, near the well-known headland called "Eston Nab." It is brought down by a tramway to the extensive ironworks of Bolckow and Vaughan, a distance of three miles, and conveyed for smelting to their works at Witton. Report speaks favourably of its quality.

CURIOUS FACE.—While one of the workmen employed at Mr. Gilbert's marine lamp manufactory, Falmouth, was making some tin solder (which is done by melting tin and lead together in an iron kettle, and which, for greater facility in use, is dipped out with a small ladie and poured on a sheet of iron in thin cakes or slabs), without any design on the part of the man, one ladleful was accordingly poured; and he was in the act of pouring another, when he was surprised to find that the drst had produced a most extraordinary medallion profile of "the Iron Duke." General Wood and several other competent judges have seen it, and have expressed themselves as surprised at the likeness.

THE IRON TRADE OF SOUTH STAFFORDSHIRE—PAST AND PRESENT .- No. II.

The document of the 23d Nov., treated more especially upon the manufacture of malleable iron, giving a short history of its progress through the last half century. No less important, however, are the improvements which have taken place during that period in the manufacture of pig-iron Instead of the effective blast engines of the present day, were substituted common blow bellows, worked by water-wheels; instead of the huge coke fires that now illuminate "midnight darkness," were to be seen charcoal fires that now illuminate "midnight darkness," were to be seen charcoal fires: for, to a certain extent, was this carbonic oxide then used to assist in smelting the ores, instead of the efficient structures that now exist; the furnaces of that period were mere cupolas, in comparison, and the "cast" exceedingly small. By contrasting the past with the present, we are enabled to mark the progress made; and, although we cannot expect that future discoveries in the manufacture of iron will be anything like the past, still where is the individual possessing such a knowledge of the future as will enable him to negative a question of the kind? That the structure of the blast furnace has undergone a vast improvement cannot be denied; that it is capable of still further improvement, the future will determine. We cannot suppose, however, that much more will be done to economise fuel in the furnace, or that a less amount of minerals will suffice than is now required, for we cannot obtain more iron from the ore than it is capable of giving, neither can we impart a strong body to weak coal; if the process of calcining ironstone could be dispensed with, a less quantity would suffice; but, as no other means exist of extracting its inherent impurities, which must be kept out of the furnace, so must the present system be maintained.

purities, which must be kept out of the furnace, so must the present system be maintained.

From the table published in last week's Mining Journal, it will be seen that 92 furnaces out of 144 are now in blast in this district—a considerable depression this, and yet an outery is sometimes heard that too much iron is being made! Now, manufactured iron cannot be produced in a greater ratio than the make of pigs will allow; we will suppose then, that the average weekly make at these furnaces is 100 tons each (and, as most of them are worked by hot air, such a quantity will be obtained), giving a total make for the week of 9200 tons. It will be remembered that we last week gave the assumed quantity of finished iron now made in the district, at 6460 tons: if we add to this one-fourth, as an equivalent for the waste of manufacturing, we shall have a weekly consumption of pig-iron of—say, 8000 tons; but, as a portion of Shropshire, Blaenavon, and North Staffordshire pigs are worked by a certain class of manufacturers, we will suppose that 7500 tons weekly are taken from the South Staffordshire furnaces for manufacturing purposes—thus leaving 1700 tons weekly for the requirements of the foundry, and, as in the entire district an extensive trade in this branch is carried on, such a quantity will no doubt be consumed; it is, therefore, quite evident, that an accumulation of pig-iron to any considerable extent is totally impossible; the pig maker is altogether dependent upon the local consumer, and generally regulates the produce according to his requirements. It is quite true that large stocks of pig-iron now exist in the district, but they are not the result of over-production in the present day; the majority was put into store when iron commanded a much higher price than it now does and when, indeed, this article dutted

any considerable extent is totally impossible; the pig maker is altogether dependent upon the local consumer, and generally regulates the produce according to his requirements. It is quite true that large stocks of pigiron now exist in the district, but they are not the result of over-production in the present day; the majority was put into store when iron commanded a much higher price than it now does, and when, indeed, this article glutted the market; speculators were then induced to purchase, and they have since been compelled to hold their stocks, for it would hardly answer their purpose to throw them upon a falling market—hence the cause for the present accumulation in the district, and, whatever may be the extent of their stocks, we may venture to take it for granted that it represents a true statement. Not so, however, with our Scotch neighbours, for it is a difficult matter to know rightly how to estimate their assumed stocks, as periodically given, so greatly does the notorious "scrip" system interfere with a logitimate state of the case. The Scotch pig trade, however, can hardly be placed in an analogous position with South Staffordshire, because it is essentially one for exportation. The quantity of pigs locally consumed in Scotland, compared to the quantity exported, is very small, and that district can only be taken as furnishing an index to the foreign trade—hence it is that it has suffered so intensely from the convulsions abroad, and when affairs there become more settled and consolidated, so that no obstruction is offered to commercial transactions, the trade in Scotland will take a higher stand, for not only do such interruptions prevent a regular trade, but the possibility also of seeking new outlets to take off a surplus or increased production.

A very great achievement has been accomplished in bringing the manufacture of iron to what it now is; an immense capital has been expended, and now that the article is so shaped as to adapt itself to the wants of the world at large, every encouragem

IRON MANUFACTURES AT NEWCASTLE.—A correspondent directs our attention to the rapid progress which is making in the iron ship-building trade at Newcastle—all the owners of the different yards being busily occupied with the construction of iron sailing vessels, and paddle and screw steamers. With respect to the iron trade at that place, the depression, as far as regards prices, still continues; but the demand is stated to be decidedly improving. The Gateshead Observer, of last week, says—"It is a singular fact, that an iron East Indiaman is now being built by Messrs. Coutts and Parkinson, on the River Tyne, for the River Clyde. Such, indeed, are the superior facilities now afforded on the Tyne for the building of iron ships, that the eminent London firm of Miller, Ravenhill, & Co., are about to establish a yard near Walker, where they propose to construct the hulls, and have the steamers fitted with engines, leaving the completion of the vessels to be executed on the Thames. At the present moment, we have lying in Gateshead, at the goods-station of the Vork, Newcastle, and Berwick Railway, an interesting illustration of the advantages afforded by this district for carrying on manufactures of which iron is the staple material. The beams of steam-engines, as most persons are aware, have hithorto been made of cast-iron—which is liable to break. The attempt to make them of malleable iron, was never dreamt of; and when we state that rolled beams are now to be seen at the above depôt, the announcement will be received in many quarters with surprise, if not incredulity. We saw the monster plates, however, with our own eyes (the largest plates ever yet rolled), measuring 17 feet in length, 4 feet 8 inches in breadth at the widest part, and 1½ inch in thickness. Each plate weighs upwards of 1 to 4 cwts. These plates we manufactured at the Derwent Ironworks, Consett, and are on their way to Messrs. Tod and Macgregor's works in Glasgow, to form part of a large marine engine: they are much lighter, and, consequently, less cu IRON MANUFACTURES AT NEWCASTLE -A correspondent directs our attention to the rapid progress which is making in the iron ship-building trade at

Original Correspondence.

OPEN SHAFTS UNFENCED.

SIR,-Often as accidents have happened to men and beasts from the unfenced state of shafts, and often as the agents of mines have been advised to protect life by fencing such shafts, very many, I am sorry to say, are still quite open; so that a man in the night might unconsciously walk in, and so might horses and cattle. It has been frequently remarked, respecting open shafts, that they are rarely covered or fenced round until some life is lost. Now, it is very foolish to wait till then—the duty should be performed to prevent the loss of life, which, when lost cannot be restored, as everybody knows. In passing through a set in the parish of Camborne, this day, and yesterday, I sawseveral deep shafts with tops level with the surface, having great funnel "mouths" ready to devour all who pass by. I would advise agents, having the management of mines, to see to it, that no life shall be lost through their dereliction of duty. Let them ascertain the extent of the evil, and at once apply the remedy by an effectual fencing. In most, if not all, mine leases the adventurers are bound to fence the shafts; they are everywhere bound by the dictates of humanity to do it.

Truro, Dec. 3.

SAFETY CAGE FOR MINES to protect life by fencing such shafts, very many, I am sorry to say, are

SAFETY CAGE FOR MINES.

SAFETY CAGE FOR MINES.

TO THE ELITOR OF THE GLASGOW PRACTICAL MECHANICS' JOURNAL.

SIR,—Having read an article in the Mining Journal of the 9th Nov., on some improvements in mining machinery, by Messrs. White and Grant, of Glasgow, I have sketched out, for your examination, a plan of safety apparatus which occurred to me some months ago, but has never been carried out. The principle on which I have worked—is the assumption that it is not the actual insufficiency of the rope which causes fracture, but the repeated shocks or sudden tensional strains sustained each time the lift comes upon it. To obviate the injurious effects of this sudden action, I thought of adopting draw-springs, with the intent of bringing the tension gradually upon the rope. Again, in case of accidental breakage, or the occurrence of over-winding, the draw-spirings were to act upon levers and force wedges against the guides to sustain the cage, the latter, of course, being fitted with a detaching link. The outline sketch represents my proposed plan, in elevation, looking on the side of the cage guides, one only of which is seen at A. The two dotted lines represent the two cage chains, depending fron the winding rope. These chains pass over guides at B, and are connected at C, with the spring links or tension rods of the volute springs, D, one of which is represented through the break in the cage platform. At C, the chains are also linked to the ends of a pair of levers, E, working on fixed centres at F, the opposite short arm of each lever being jointed to a holding wedge, G, one only being shown. The cage is supposed to be loaded, the weight being upon the springs, D, and the wedge greek lever being jointed to a holding wedge, G, one only being shown. The cage is supposed to be loaded, the weight being upon the springs D, and the wedge greek lever being jointed to a holding wedge, G, one only being shown. The cage is supposed to be loaded, the weight being upon the springs will draw down the long arms of the levers, and jam the wedges agai

THE SLATE STRATUM OF IRELAND.

THE SLATE STRATUM OF IRELAND.

SIR,—In perusing your Journal last week, my attention was attracted to a letter from Mr. Davies, on the slate stratum of Ireland. Being myself a little interested in a slate flooring quarry, situated in that country, I trust you will do me justice in allowing a small space to make a few remarks; or, rather, to ask Mr. Davies a few questions. Mr. Ashdon, in a previous Number, entered into a calculation, showing how the Wicklow manufacturer could realise 1l. 10s. 8d. more profit upon a ton of slabs than the Runcorn manufacturer, which Mr. Davies failed to contradict; he only stated (though not very satisfactorily proved), that all slate services could be purchased cheaper of the London manufacturer than at the Welsh quarries. Does Mr. Davies take it for granted, if the Welshman is so far behind in skill and science, that the Wicklow manufacturer must follow the same habits?

the same habits?

What does Mr. Davies mean, when he says that almost every domestic service is made of slate? and does he assume the same slate strata to be precisely the same quality at any given distance? And, finally, is his having changed his line of business the reason his opinion is so changed since the long debate at the Railway Hotel, with regard to the Irish slate stratum?—C. A.P.: Exeter, December 3.

ATMOSPHERIC INFLUENCES.

ATMOSPHERIC INFLUENCES.

Sir.—However great may be the enjoyment of the philosopher in his communion with Nature, and exquisite his delight on the discovery of a fundamental principle, the fruits of his labours are appreciated by the greater portion of mankind, in so far only as they can be rendered applicable to the supply of our wants. I am, therefore, induced, in reference to that part of my letter of the 25th Nov., which treats of the cause of dampness in buildings, to investigate the cause, and then endeavour to suggest a remedy for the evil.

Wet on walls in buildings was formerly referred to two causes—the ascent of moisture by capillary attraction, and soakage through the wall from external wet. The first of these is now generally abandoned, but the second still prevails to a very considerable extent, although generally the amount of wet is in proportion to the hardness of the material of which the wall is composed; and it increases still more, if the interior of the wall be painted—facts utterly opposed to such a notion.

That the atmosphere becomes close and oppressive before heavy falls of rain, more especially before thunderstorms, is a fact not to be questioned; and on reference to the papers by "S.," published in the Mining Journal for 1849, it will be seen that this atmospheric condition is referred to the abstraction of electricity from the lower regions by the formation, in the upper regions, of large masses of snow—a highly crystallised body, a quadruple compound, and the original form of rain.

The atmosphere, then, of the lower regions being negative, has the property of holding in solution a large amount of vapour, and is, in fact, in the same condition as that of a room, the temperature of which is raised by the combustion of gas in it, or the respiration of a number of individuals; and as matter, during decrystallisation, evolves free electricity, the rain resulting from the "thaw" of the snow is necessarily charged with that fluid. When, therefore, the rain falls on the external walls of

ing cold water. Thunderstor Thunderstorms frequently discharge hailstones of a great size, and the drops of rain are invariably of larger dimensions than those of a winter shower; and although we may not be able to comprehend the nature of the conditions in the upper regions, which induce the thaw of snow at an altitude above that at which crystallisation takes place, any more than we can understand what induces them in a freezing mixture, it is obvious that the drop of rain having been formed in its pessage through a highly electric cloud, and then through a negative atmosphere, may first undergo congelation, and a rapidly increases in size—the operation being, in every respect, similar to the accumulation of moisture on the inner surface of a wall.

Condensation on walls, and on the banister of the stairs, frequently takes place before rain; and, so far as I have been able to determine, the amount of deposition is proportionate to the previous duration of fine weather—a fact that cannot fail in throwing much light on the relative electrical condition of the earth and the air, the electricity, under these conditions, being supplied from the soil, which is positive to the atmosphere. The correctness of this reasoning faw, I should think, would be disposed to question; and if any doubt should exist, the following experiment, I think, cannot fail in removing main and the soil of the temperature of about 80°, and one of these tumblers be connected to question; and if any doubt should exist, the following experiment, I think, cannot fail in removing raised to the temperature of about 80°, and one of these tumblers be connected by a fine copper wire, with an external wall, crystallisation will take place much more rapidly in the connected vessel than in the other, if train be failing against the wall at an other of the cornected by a fine every effect will take place if the wall he heated by the rays of the sun. The solution may justly be considered to represent the negative atmosphere of the room—the crystallisation of the sain, and condition erstorms frequently discharge hailstones of a great size, and the

rectify the ovil, but to no avail, remained for a long time uninhabited. I suggested, however, that the nature of the material composing the walls be determined; and, on examination, it was found to be a hard black linestone, when I proposed that the atmosphere of the room should be insulated from the wall, and this was accomplished by the ordinary system of battening lath and plastering, which removed all cause of complaint. This, however, is an expensive process, and objectionable for many reasons, more especially on account of its being a harbour for vermin, and liable to damage; I would, therefore, suggest the use of coarse, sout brown paper, which is an excellent non-conductor, as a lining to all such walls, and if it were steeped in hot pitch its quality would be improved. This, I am quite sure, would prove a cheap and effectual cure; but as regards the second cause, the electricity from the soil, it would be difficult to apply a remedy, since, to do so, it would be necessary to underpin the walls with a good non-conductor. As, however, medical men, for many complaints, now insulate the beds of their patients, it is unquestionably deserving of consideration whether, both for the preservation of health and the building itself, it may not be desirable, in the original construction of our dwellings, to insulate them from the ground; and in a paper which I submitted to the consideration of the commissioners for completing the new Palace, Westminster, two or three years since, for the accomplishment of this degarable object, I proposed the use of block glass, to be introduced shove the ground course, where it would also act as a bond to the wall.

On reference to the papers by "S.," it will be seen that in 1846 and 1847, when the potato disease provalled, the atmosphere was positive to the earth, but that during the protate of the conditions of the condition of the condition of the body the greaters of the condition of the con

tiant is contained in his laid ietter.

TARKLIS CORVORTHY.

Contributy-plane, Cambebber. If he will cold this, he will, I am sure, have to unany all that is contained in his laid ietter.

TERRESTRIAL MAGNETISM.

Sira,—I have no doubt but that your readers will easily perceive that Mr. Lake's observations, in his last, are peculiarly applicable to himself-wiz.: "the singular instances of the affection of the human mind for error," and the usual turn of the argument into assumptions and presumptions, in preference to the experiments and observations actually made in the region in question did not suit his views, Mr. Lake, to use his own words, "throws the whole overboard," and gives us, instead of demonstrative proofs, a list of authorities, whose respectiversearches, however interesting they may be, do not by any means agree; and much less, as he says "conclusive in favour of the electric currents flowing from the equator towards the poles." Such a mode of replying may satisfy Mr. Lake, but it will not your readers, especially those who are seeking for the truth, and desiring to separate knowledge founded on assumptions, from knowledge founded on facts.

Halley's theory of magnetism was extremely crude. He supposed there were four poles—two of them changeable in position, and the other two permanently fixed. The mechanism which he proposed for effecting the centional change in the variation was too crude to be admitted, even at that age. However, the property of the property of the property of the extremely crude. He supposed there were four poles—two of them changeable in position, and the other two permanently fixed. The mechanism which he proposed for effecting the centional change in the variation was too crude to be admitted, even at that age. However, the property of the

to ascertain in intere which is really going out the secretary in and antiquated notions.

Mr. Lake must excuse my style of writing—perhaps I am too plain, and somewhat blunt in my remarks; but it has appeared to me, when attempting to wade through some of his papers, that they are something analagous to a hop, skip, and a jump at conclusions, which my intellectual powers are not capable of following. However, if he can obtain any single individual who is willing to act as a cicerone, to explain what is really meant, and make head or nil of them, he will confer, as I have said before, a favour on those of your readers who wish to receive useful information from your Journal, as well as on your humble servant—Albert Dumarra; Upper Montague-street, Montague-square, Dec. 2.

RAILWAY CALLS.—The amount falling due in December is 287,3041.; in the same month last year, it was 576,9044. The aggregate called this year amounts now to 10,629,3771., against 19,673,6941. in 1849.

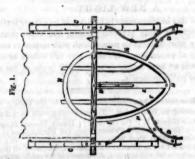
RAILWAY PASSENGERS' ASSURANCE COMPANY.—This novel and useful institution seems to progress in all quarters where its merits have been promulgated, and the frequent occurrence of railway accidents proves it to have been a desideratum; for had it been long before established, many poor families might have been relieved from that helpless poverty to which they have been subjected through railway casualties. It appears, from the records of the company, that, up to the present time, 44 cases of personal injury have happened on railways to parties assured, which have been met by payments varying in amount up to 210t. Two fatal cases also occurred, where sach party had insured his life for 500t; one was that of James Shiells, an engine-driver, who was severely cruehed betwixt two carriages, from which he died at the infirmary. The 500t due to the widow would render her independent, to a certain extent, of grants from the railway company, or of petitioning for the support of herself and family. This case is a striking contrast with that of a guard, killed a few weeks ago; but who, not being insured, left a wife and family totally unprovided for. The other fatal case was that of William Pike Grant, who was killed in the asme manner at Peterborough—the sum for which he insured (namely, 500t.) having been paid to his widow. These instances of seasonable relief, in cases of calamity, must exhibit the great public utility of such an institution as the "Railway Passengers' Assurance Company." RAILWAY PASSENGERS' ASSURANCE COMPANY .- This novel and useful in

ON THE GEOLOGICAL AND MINERAL FEATURES OF CERTAIN DISTRICTS OF NORTH WALES .- No. V. BY ST. PIERRE POLEY.

In speaking of the continuation of veins or lodes, it is right to remark that in tracing them in extent or on line of bearing, we may sometimes lose either the one or the other, so as to appear as if we had arrived at their termination; and the same may be remarked on sinking on their angular dip. Yet these disappearances may depend on natural occult causes, or on the mechanical or disarranging effects of what are called heaves, slides, dip. Yet these disappearances may depend on natural occult causes, or on the mechanical or disarranging effects of what are called hauses, shides, bare, cross-courses, dykes, &c., well known to every miner; and, instead of the lodes or veins having come to their final points of termination, they may be discovered at some distance (sometimes considerable) from these points, on or near the original ranges of these very lodes, pitched for the moment, as it were, to some point of the compass either to the right or to the left, but still retaining the same direction of bearing; or, if different, it will be seen to have a tendency to recover its original range near the new commencement of the lode or vein on the forward side of the heave, &c., and then it will generally be found to have recovered this range in some distance, unless prevented by similar adverse forces to those above-mentioned. Now, on sinking on lodes, and on keeping a correct register of the various appearances, changes, and values of these lodes, we often perceive very extraordinary and striking differences. Sometimes the lodes are exceedingly rich in ores, perhaps quite solid; at other times scarcely a speck of ore to be seen; then nothing but spar, peach, cawk, sulphur, ore, or a confused confinerate of roch, &c., and again, in rare cases, even without those disturbing causes above alluded to, the lode seeming to value, the discerning agent knows very well what he may expect in his gradatory pursuits, and can pretty correctly give a fair decision as to final results. He will not cry out "Io triumphe" on meeting with rich bunches of ore, nor yet wail the "miserere" on coming on poor or "dead ground;" he will pursue "the even tenor of his way," without looking to aught save the mean object—to put his mine in a proper effective state as soon as possible, so as to insure a due production of ores to pay in regular periods—in a mining-like manner, and on the most economical mode of doing so—safely and securely to his employers, and with manly and honour bars, cross-courses, dykes, &c., well known to every miner; and, instead of

IMPROVEMENTS IN CARRIAGE-BUILDING.

MIDDLETON'S CENTRIPETAL WHEEL-PLATE.



It has long been an object of great interest among carriage-builders to improve upon the wheel-plate commonly used for four-wheeled carriages. Family carriages are required to run so light, that they shall be quite within the compass of one horse, and the only means of accomplishing this is to lessen the draught. To effect this, the hind and the front wh brought much closer together than the common wheel-plate will allow. There have been one or two inventions for throwing the front wheels further back by means of an improved wheel-plate, and it must be admitted that considerable ingenuity has been displayed; but in no instance does anything appear to have been brought to such perfection as the ingenious contrivance of Messrs. Middleton (of 40, Long-acre)—the arrangement being such that, as soon as on the lock, the whole of the fore earrange works forward, independent of the body, and is never, by any means, thrown out of the centre, which is not the case with any other invention.

Fig. 1 of the diagram shows the carriage in a straight position, being thrown full 10 in. further under the body than usual, bringing the wheels that much closer together. Fig. 2 shows the carriage on the full lock, when the bolt, M, has slid down the full length of the groove, L, guided steadily down by means of the bolt, N, running in the groove, G, of the transom plate, thereby allowing the wheels room to work under the body.

The great superiority of this over every other contrivance is, that the carriage is as much central when on the full lock as when running in a straight line, which allows it to work with as much ease as the common central perch bolt, and the arrangement is so simple, that it is no more liable to get out of order. In appearance, the elliptical form of the front part of the wheel-plate is lighter, and more ornamental than the old circular form; moreover, as it has been adapted to a very elegant little carriage by the proprietors, and found practically to answer every purpose, we feel persuaded that it must soon be very generally adopted. brought much closer together than the common wheel-plate will allow.

tion a there : the prappoint I do r matter grant. ing a specifi piracy cacy. the sel patent sistent stacle tionali while either is grantion for British are less I shis sec would be atte prove ance a boon the secomplian t by exp favours manufa better p of the without adoption sion, bu plored fence; invention enough stable to as Cron would a any less courts o safe unt

for the

more, reduc

noveltie are ofter as they those of than the new hor see how courts of revision Even as habitual than me understa ing. W ing. W sive info gest a co demerits courts. evidence especiall calling things a who may always j would be

or comm latter, as mined by than in a bal tram aboriging give his to deny due. It oppression tice they as if wor the uniform be the me complete has come stimulate

The purstantly a

record, a Some mo to suppor to suppor It is a contentee's was completed to season the judger the defens the defens the defens gallows aprit shoul

ON PATENT LAW REFORM .- No. I. BY DAVID MUSHET, ESQ.

I wish your correspondent, "T. W.," had offered a detail of some plans for the other desirable objects which he considers are not provided for in the contemplated reforms of Patent Law, especially the latter, the most difficult and the most important—that of rendering "the legal decisions more easy, expeditions, cheap, and decisive." I quite agree that the mere of patent fees to 5% or 10% per annum, will lead, at the least, to a great deal of disappointment, and probably to much increase of litiga-tion and perplexity. There are numbers of persons overvaluing, as inventors are very apt to do, the power of their own ideas, who conceive barrier betwixt them and unlimited success but the large

tion and perplexity. There are numbers of persons overvaluing, as inventors are very apt to do, the power of their own ideas, who conceive there is no barrier betwixt them and unlimited success but the large amount of the fee, and that nothing else is required but to bring down the price of the title of their purchase. Besides a great deal of other diadpointment, these persons would certainly find themselves embarrassed at all points by the equal facility which was given to dishonest invaders. I do not think the absolute reduction of the ultimate amount of fee is a master of nearly so much moment as facilitating the first steps of the great. To effect this, the great point has already been suggested of giving a firm title on payment of a small fee, with such an interval before specification and enrolment as may enable the patentee, guarded against piracy, to offer his idea fairly in the market, and practically test its efficacy. The capitalists will no longer shrink from buying his pig in a poke; the seller will cease to go in dread of letting his cat out the bag; and if the patent be really worth anything at all, the 1004 fee, assuming the inconsistent Scotch and Irish extras abolished, would never prove a serious obstacle to right, though yielding a certain protection against wrong. Nationality, as it is now called, is rather out of fashion, or it might be worth while to consider the American Law of Patents, to see if we can derive either lesson or varning from their practice. To an American, a patentisg granted for the low sum of 134; but, as I presume, by way of retaliation for the high charge we cast in the way of themselves and others, a British subject has to pay 1204; whilst foreigners, whose mative demands are less immoderate, receive their patents for about 704.

I should have been glad had your correspondent suggested details upon his second point—opposition to a patent grant. The check by caveat would still exist; and I can hardly see how anything further could safely be attempted, without incurring safe until it has been litigated. It is into that world of troubles that such novelties must be inevitably born. I do not see how they can escape, so long as there is wifield dishonesty on every hand watching to wrest to its own advantage the accidents and immature features of infancy. Judges are often possessed wish extraordinary prejudices; but so are men of other classes. I should feel no confidence that the decisions of practical men, as they are termed, would be more constantly free from crotchets than those of men of science, or that these would be more comprehensively just than the dicta of the present men of law. It is true, it is easier to build a new house from the foundation than to remodel an old one; but I hardly see how a court could be constituted entirely independent of the existing courts of law and equity—certainly not without extinguishing the power of revision and appeal, which would hardly be desirable or consistent. Even as matters are, there is little more required than that judges should habitually introduce a more full spirit of equity into these cases, rather than meet them with impatience, that strange matters which they do not understand are brought before them, which never occurred in their reading. With this object, it would prove most valuable if some person, who Even as matters are, there is little more required than that juages should habitually introduce a more full spirit of equity into these cases, rather than meet them with impationee, that strange matters which they do not understand are brought before them, which never occurred in their reading. With this object, it would prove most valuable if some person, who united the legal acquirement necessary for the task, with the comprehensive information essential to review decisions in their true light, would digest a compendium of important patent causes, showing the merits and demerits of the results, to assist in warning and enlightening the existing courts. It is seldom there can be any difficulty in a jury deciding upon evidence which party in a suit is seeking what does not belong to him, especially if the judge fairly directs them. Twelve intelligent men of any calling are as capable of forming a just opinion upon such a state of things as the most practised man in the pursuit which is in question, and who may have acquired prejudice with practice. The moral sense can always judge of the right end wrong which is brought before it; and there would be less difficult flitigation if the judges recurred in this spirit to the equity of the case, rather than to the refinements of verbal interpretation. The purpose of courts of equity is to dispense justice in such cases as constantly arise, which cannot be provided for under the strict letter of statute or common law. Cases which are uncommon cannot be tested by the latter, and emergencies which have never arisen cannot have been determined by statute; therefore, in a patent trial, a court of law becomes more than in any other case a court of equity. The judge is set free from verbal trammels, to see that justice is done between man and man upon the aboriginal principles of honesty and triul. We often hear an upright judge give his decision with regret, when festered and bound by some legal form, to deny justice to a party to whom he feels and declares that it is real

tion existing in the mind of A should so alter the property of B as to cancel his title to it, is so novel, that it becomes of no little consequence to trace the anatomy of such an abortion of the judicial mind.

The right of the plaintiff was established by verbal evidence, and the knowledge of that right by the defendant was proved by his own letters, written whilst he was using the process with the plaintiff's permission, until the evil thought occurred of defying the right, and defrauding him. There cannot be a question that Baron Parke, who tried the cause, was as perfectly convinced as the jury that the defendant was using a process of which plaintiff was the sole originator; and that, by permitting him and others so to use it, the plaintiff was deprived of the entire benefit which he had purchased by his letters patent; and that this benefit was being appropriated by persons who had no other merit, title, or connection in the discovery, except the resolution to introduce it into the arena of the law; yet, in the face of this full knowledge and belief, he could deliver a judgment in their favour, wherein no motive can be discovered, except it were to darken counsel by words without understanding, and gratify a certain pique, or prejudice, to towards "scientific men," which kept peeping out in divers flings or kicks at intervals through the trial.

[To be concluded in next excels thining Journal.]

[To be concluded in next week's Mining Journal.]

ON THE VENTILATION OF COLLIERIES. The discussion on Mr. Struvé's paper, on "The Ventilation of Collieries, theoretically and practically considered," as read at the Institution of Civil

Engineers, and published in the Mining Journal on the 23d November, was continued at the Institution throughout two following evenings, to the exclusion of any other subject.

The principal points of the paper were explained to the members who were not present at the reading of the paper. Great stress was laid on the advantages of splitting the current of air, so as to reduce the velocity of its transit through the mine, and to afford a full supply to the most remote points of the workings. The high temperature in the upcast shaft, necessary to produce the requisite velocity of current in the galleries of mines, when furnaces were employed, was adduced in favour of the employment of Struvé's mine ventilator, or other mechanical means of drawing out air through shafts which were also used for drawing the coal, or raising the men to the surface. The wasteful application of steam, in the form of a jet, was insisted on, and contrasted with the small power actually employed at the Eaglesbush Colliery, for giving motion to Struvé's mine ventilator. These statements were fully confirmed. It was shown that the speed of the mine ventilator could be regulated to produce any requisite velocity of current in the galleries, and that it was an efficient indicator of the occurrence of any stoppage in the air passages, as on the supply of air being arrested, the machine would soon be stopped. In the best mines of the north, furnace ventilation was found to be most efficient, and the stated danger apprehended from the firing of the gas at the furnace, was concluded to be more ideal than real. Nevertheless it was admitted, that a good simple mode of mechanical ventilation merited the best attention of the owners of collieries. Fans for forcing air down into mines had been tried, but were found inefficient, although considerable power was consumed in propelling them.

The difficulties found in using mechanical exhausters were then attri-The principal points of the paper were explained to the members who

the best attention of the owners of colleries. Fans for forcing air down into mines had been tried, but were found inefficient, although considerable power was consumed in propelling them.

The difficulties found in using mechanical exhausters were then attributed in a great degree to the small size of the inlet and outlet valves, and the improvements introduced by Dr. Arnott in the apparatus for ventilating the New County Hospital, at York, were instanced as examples of the necessity of using curtain valves, of large area, for the machines, as it had been found that as the dimensions of the valves were increased the power required to work the machines diminished. The most beneficial effects had resulted from the use of ventilating machines similar in principle to Struve's mine ventilator, in hospitals, and on board crowded emigrant and convict ships, and by proper attention to the area of the valves, the power required to work them was very small. The application of small water-power engines, like those made by Mr. Armstrong, of Newcastle, for giving motion to the ventilating machines, was recommended as very effective and most economical.

The importance of large air channels in short lengths, for furnishing ample supplies of air underground, was admitted by other speakers, who, however, objected to the application of mechanical ventilation, preferring its being effected by natural means, which it was contended could be attained by a judicious system of "winning" arrangements. When, however, this is not practicable, Struvé's apparatus was approved as the best hitherto introduced. A somewhat similar but less perfect system had been

tained by a judicious system of "winning" arrangements. When, however, this is not practicable, Struvé's apparatus was approved as the best
hitherto introduced. A somewhat similar but less perfect system had been
used for some years in Germany, Prussia, Belgium, and in some mines in
England. The system of sinking shafts on the dip, for the advantage of
collecting water, without considering the tendency of gas to accumulate in
the upper cavities of the workings, was deprecated, and the more advantageous plan proposed of having the downcast shaft on the dip, and the
upcast on the crop, whereby an easier exit would be provided, and a more
effective ventilation be established.

The amplication of the steam int was advocated, and instances were given

and a more effective ventilation be established.

The application of the steam jet was advocated, and instances were given of its efficiency in clearing the after-damp from pits where explosions had occurred. It was argued, from experiments, that the steam jet could be rendered much more efficient than the furnace; but no statement of the relative expense of this plan, as compared with mechanical ventilation, was entered into. The evidence given before the House of Commons in 1835, the House of Lords in 1849, and to the South Shields Committee on Accidents in Coal Mines in 1843, was enrefully analysed, with the intention of demonstrating that, beyond certain limits, it was useless to force furnace ventilation, as, under certain circumstances, a current of cold air was found to descend the upcast shaft, forming a false brattice, and arresting the ventilation. The steam jet was stated to be capable of such increase of power, and of such varied application, as not to be subject to this inconvenience. It was contended, on the other hand, that, in reality, this natural brattice was seldom perceived, and that, when it did occur, the system of scaling off a portion of air at some distance up the shaft sufficed natural brattice was seldom perceived, and that, when it did occur, the system of scaling off a portion of air at some distance up the shaft sufficed to destroy it. It was shown that mechanical ventilation was essential to clear away the choke or after-damp, so as to enable a mine to be entered after an explosion, when it might be dangerous to light the furnace at the bottom of the pit; but by setting the machine at work with increased velocity, a much greater circulation of air could be caused under any circumstances of barometrical pressure, and the mine could be cleared in a short than the state of the scholar and the schola city, a much greater circulation of air could be caused under any circumstances of barometrical pressure, and the mine could be cleared in a short time. Had this system been adopted, the dreadful effects of the chokedamp after explosions would have been frequently obviated, and much waste of human life might have been avoided.

SARSAPABILLA.—Considerable importations continue to be made of this important drug. In 1840, 142,920 lbs. were entered for home use. The duty was then 6d. per lb.—it is now only ld.; and the quantity annuany supports from the United States to this country has been steadily and progressively increasing. This result, however, is less due to the reduction in the tariff than to the persevering efforts of American enterprise, to place so potent and valuable a medicine within the reach of the masses. About 10 years since a new mode of preparing the extract was discovered by Dr. Townsend, of Albany, and a manufactory was forthwith started in that city. The sale soon became so enormous, that the introduction of machinery for the preparation of the extract became indispensable, and the establishment has now attained such a leaves 102 and 200. was then 6d. per lb.—it is now only 1d.; and the quantity annually shipped manufactory was forthwith started in that city. The sale soon became so enormous, that the introduction of machinery for the preparation of the extract became indispensable, and the establishment has now attained such a magnitude, that it is numbered among the local lions. Between 100 and 200 men and boys are employed during the proper season in collecting the roots, which are subsequently rasped and ground by powerful steam-engines. The vats in which the decoction is prepared are larger and more numerous than have yet been previously used in the preparation of any medicine; and, by their instrumentality, the finest Honduras sarsaparilla, which is the only kind employed, is quickly converted into a healthful and delectable syrup, an invigorating elixir, concerning whose alterative powers upon the human system no great difference of opinion has ever prevailed among physicians. The statistics of manufacture, as given in the American papers, are highly interesting. From 1500 to 2000 barrels of the root are annually imported from Honduras, and 5000 bottles of the extract are turned out ready for consumption every day—a quantity equal to 1,500,000 bottles per annum. The bill for glass at this manufactory exceeds \$120,000 a-year, and the consumption of boards for packing cases is over 2000 square feet daily. The money which was expended last year in advertisements reached \$90,000, in addition to which there was a gratuitous circulation of 7,000,000 circulars and almanacks. Not only are large quantities of the preparation consumed throughout the different States of the Union, but extensive shipments are made to the Canadas, the West India Islands, South America, and Europe. The physiological influence of this invaluable medicine appears to consist in the power which it possesses of gradually purifying the blood. It is growing into great favour with ahip masters as a preventive of scarvy, and the fact is worth notice that, during the war with Mexico, while fever and dysentery were thinning the ranks of the American arm COMPANIES PROCEEDING UNDER THE WINDING-UP ACT.

THE GODOLPHIN MINING COMPANY .- In the Vice-Chancellors' Court on Saturday, Mr. Follett, moved, on behalf of two contributories, that the order of Master Sir G. Rose, making a call of 4l. per share, might be discharged, or that the same call might be suspended until the accounts had been taken. The learned counsel stated that the operations of the Godolphin Company were learned counsel stated that the operations of the Godolphin Company were carried on in Cornwall, the accounts of the concern being kept and the whole business being managed by three of the directors. In 1846 the company was disolved. One of the directors, Mr. Grout, was stated to have lent in various sums to carry on the business 40001, and that amount he claimed. The Master, to meet this and one much smaller dobt, had made a peremptory order for a call without having investigated the accounts. The Master had also, against the remonstrances of the counsel for the alleged contributories, appointed Mr. sums to carry on the business 4000L, and that amount he claimed. The Master, to meet this and one much smaller debt, had made a peremptory order for a call without having investigated the accounts. The Master had also, against the remonstrances of the counsel for the alleged contributories, appointed Mr. Stainsby, another director, the official manager. Mr. H. Clarke, for the official manager, referred to clauses of the Joint Stock Companies' Winding-up Acts, to show that the balance-sheet made out in the office was declared to be prima face evidence of the liabilities of the company, and that on such a sheet being made out of the Master was authorised to make a call. His Honour said the better course will be, without prejudice, to suspend the call until further orders, and to refer it to the Master to investigate the three items mentioned in the balance-sheet under the head "liabilities," including Mr. Grout's claim, and to report whether, and under what circumstances, for the same, or any and what part thereof, the Godolphin Mining Company is liable, with liberty to state special circumstances.

TONTINE LIFE ASSURANCE COMPANY.—Sir W. Horne has finally settled the

part thereof, the Godolphin Mining Company is liable, with liberty to state special circumstances.

Tontine Life Assurance Company.—Sir W. Horne has finally settled the list of contributories, the executors of a shareholder named Clarke being willing that their names should be placed on the list in respect of 500 shares, the testator having signed the Deed of Settlement.—It appears from the report of Mr. Croysdill, that under the Deed it was agreed that the original directors should retain office for the first five years; that 5 per cent. on all the shares of which the company might consist within 10 years should be apportioned to its projector, and 15 per cent thereof to the directors and treasurer, with liberty to any of them to accept or reject the same, and if the latter, to be sold, the purchase of them to pay all the calls. The company was established in Pallmall, and within 1846 and 1849 three separate secretaries were appointed. To promote the prosperity of the undertaking, and inspire confidence in the public, a peoples' branch for granting loans and annuties to the industrious classes, was opened in New Oxford-street, but at a loss of 567t. The deposit of 20s, per share was not fully paid up, and out of the 2000 defaulters, 300 were among the directors. The total payments were 8571t, and expenses and losses, 7433t. Of the 12,950 shares allotted, 7660 were taken by the directors, and 3500 by the projectors; leaving only 1790 for the public. His thonour, on application, allowed the claim of Mr. Wisswould, for 511 of costs of 100t incurred in anabortive attempt to wind-up. The company, subject to taxation; but refused that of the Hon. Mr. Curzon, Hon. T. Rowley, and other directors, incurred in opposing the petition to wind-up. The official manager now proposes to make a call of 20s. to defray the liabilities.

HEAP AND FLAX MANDERACTURING COMPANY.—Mr. Gilmour, counsel for Mr. Crean of Edithyters, made application, to have the treatlerned on the content of the content of the content of the content of the

HEMP AND FLAX MANUFACTURING COMPANY.—Mr. Gilmour, counsel for Mr. Green, of Edinburgh, made application to have that gratleman's name struck off the list, on producing his certificate of bankruptcy, and staing that, according to the law of Scotland, Mr. Green was exempt, as an insolvent, from all liabilities on the payment of 1d. in the 1L, which he was willing to do. The application was acceded to. A long discussion took place relative to the non-production of an alleged Deed of Settlement, to which it was asserted Lord Talbot (late Viscount Ingestre) and other directors of the company were parties, respecting the transfer to the company of an extensive property at Rugeley. It was stated that no deed had ever been executed, and that it had never gone beyond the mere form of a conditional draft. This was produced before his Honour, who animadverted on the singularity of its having appended to it the original signatures of Lord Talbot, Mr. M. Matthews, and Mr. Donlan, the trustees, but which had been subsequently struck through with the pen.

Universal Gas-Light Company.—Sir George Rose has allowed the claim

UNIVERSAL GAS-LIGHT COMPANY.—Sir George Rose has allowed the claim of Mr. Fessenmeyer, the late solicitor of the company, for 10701, subject to the taxation of Mr. Harding, the official manager, if he had a right to tax, which is to be determined by petition to the Vice-Chancellor. The claim of the executors of Mr. Grennaway, the late secretary of the company, for 671, was allowed, DIRECT WEST END AND CROYDON RAILWAY.—Master Tinney has placed on the list of contributories the name of Mr. Byrom, of Wigan, he having applied for 25 shares in his character as a provisional committeeman. It is now ascertained that 601 from each of the provisional committee will suffice to settle the affairs.

settle the affairs.

DIRECT BIRMINGHAM, OXFORD, READING, AND BRIGHTON.—Mr. Hutton, the official manager, has been instructed, by Master Brougham, to appeal forthwith, at the expense of the estate, against the order of Vice-Chancellor Rolfe in the case of Walstab, the effect of the decision of the Vice-Chancellor being to remove all allottees from the list of contributories as liable, and, consequently, forming one of the most important decisions hitherto come to under the Winding-up Act. Owing to the importance of the principle involved in the case, an opportunity will be taken to obtain a hearing at the earliest sitting in the ensuing session.

ensuing session.

DIRECT LONDON, PORTSMOUTH, AND CHICHESTER.—There were 100 original allottees on the list who applied for shares, and who had them allotted, without paying the deposit, but who, on payment of 2s. per share, received back their letters of allottment, without any cancellation of the original contract. Counsel on behalf of Mr. Bleadon and other allottees contended that the contract being an inchoate one, it was not legally binding, more particularly as it was stated that 95,000 shares were allotted, when in reality there was only 86,000. After considerable argument on the part Mr. H. Harris for the official manager and others, his honour decided that the application for shares having been acceded to by allotment, and the parties having subsequently made payments, the contract in question was complete, and that no cancellation had in effect taken place, nor had the committee of management any authority to make such cancellation, even had they done so. He must, thereforn, place these gentlemen on the list as liable.

London and Southern.—Sir George Rose has erased from the list of con-

such cancellation, even had they done so. He must, thereforn, place these gentlemen on the list as liable.

London and Southern Sir George Rose has erased from the list of contributories Mr. Scratton, one of the provisional committee, in conformity with the decision of Vice-Chancellor Knight Bruce in the case of Brewitt, but retained on the list the executors of Mr. P. Skipper, on the ground that he had attended meetings, at which a variety of expenses were ordered to be incurred. Oxford and Workerser Jusction.—Sir G. Rose has placed on the list as liable the remainder of the members of the committee of management of this company who, by a financial "scheme" drawn up by themselves, had each a "reserve" of 500 shares, intimating that as it was clearly their own act and deed they must be content to take the consequences. The liabilities in this company will most probably be defrayed by calling upon those persons to pay up the deposit of 2l. 2s. on such shares as they took, and who did not originally pay it.

Rubey, Warwick, and Workester.—Master Richards has allowed the claim of Messrs Hall and Smith, the solicitors, amounting to 500l. The assets of the company are about 3000l. in the hands of the Accountant-General, and the liabilities about 7000l. There is a claim on the part of the Northamptonshire Banking Company of 3300l. About 20,000 shares in the company were allotted, and 40,000l. received as deposit; 5600 shares were bought up by the directors at a premium in the market, and 9000 shares were bought up by the directors at a premium in the market, and 9000 shares were bought up by the directors at a premium in the market, and 9000 shares were bought up by the directors at a premium in the market, and 9000 shares were bought up by the directors at a premium in the market, and 9000 shares were bought up by the directors at a premium in the market, and 9000 shares were bought up by the directors at a premium in the market, and 9000 shares were bought of a shallong of 2l. Settewarders.—The 40,000l. was spent i

leged, for landowners. The 40,0004, was spent in "Parliamentary preliminaries," and the last rendered accounts of the company exhibited a balance of 24.

SHREWABURY AND LEICESTER.—The list of names on the provisional committee amounts to 1103, and on the allottee list to 500; and the liabilities to be liquidated between 50004, and 60004. The first case taken was that of Mr. Brittain, of Sheffield, one of the provisional committee, who paid 634 in that capacity, part of which, it was alleged, was in recognition of the share letter of allotinent, and the other to pay off creditors. Mr. Manesty, counsel for Mr. Brittain, argued at length, that his client could neither in law nor equity be liable, on the ground that he and others only lent their names to the prospectua as "ornamental members" of the company, to make it worthy of public attention; and on the further and more forcible ground, that in the letter of allottees paid the deposit and executed the subscribers' agreement and Parliamentary contract they would not be recognised as subscribers to the company, or be entitled to any interest whatever in the undertaking; consequently, under the Act, Mr. Brittain could not be considered a member of the company, and had only paid the 631, pro causa pacis. His Honour observed, that as the particular points in the consideration of this question were new and important, he would take time to consider.

THE CARRIERS AND RAILWAY COMPANIES.—The question which has been so often litigated between the carriers and the railway companies, as to the right of the former to receive a package of small parcels under the tonnage rate of one, was again brought before the County Court of Surrey a few days ago, when, after the postponement of the decision for a week, judgment was delivered as follows.—"After taking considerable time to examine into the merits of this case, I am of opinion that the case 'Pickford v. the Grand Junction' does not apply; that the defendants' Act applies only to heavy goods to be charged by the ton; that the company have a right to charge in accordance with the notice set forth in their time and fare-tables for the conveyence of parcels; and I consider those charges reasonable, for it would be unfair and against reason to say the company, having the work to perform and the responsibility, should not be allowed to protect themselves against the evasion of their just and reasonable charges. I, therefore, give judgment for the deferdants, with costs."

CRAUFUED HOUSE

CRAUFUED HOUSE

LASSICAL, MATHEMATUCAL, & CHEMICAL SCHOOL,

MAIDENHEAD, BERKS.

In this School it is sought to combine the development of the physical, moral, and intellectual powers with the acquilition of knowledge, and to make the caurse of standy and introduction to the pursuits of line.

Craudurd House, with capacious demnitories, dining, school, and play recome, was erected four years ago, expressly for educational purposes; and since that time the establishment has been exempted from liness. The situation is clevated, in the vicinity of the Thames, the scenery extended and picturesque, the sit bracung, and the grounds comprise 14 acres.

Besides the usual studies of Classical Schools, GERMAN and FRENCH are spacken—the latter language daily, with the assistance of natives, until Four viclock. Mathematics are taught, theoretically and practically; there are drawing and singing classes. Physical science is pursued progressively, and the recentity creeks interactive is devoted to chemical analysis, now sessential to the miner, agriculturist, and manufacturer.

Mr. J. D. M. Pearce, A.M., will be happy to forward prospectuses and references in answer to applications.

Just published, in 8vo., price 4s., bound in cloth,
By THOMAS BARTLETT, LORDARD-STREET.

TREATISE ON BRITISH MINING, WITH A DIGEST
of the COST-BOOK SYSTEM, STANNARIE AND GENERAL MINING LAWS.
London: Edingham Wilson, publisher, No. 11, Royal Exchange.

"HUTCHISONISED" MATERIALS, FOR BUILDING, &c.

"HUTCHISONISED" MATERIALS, FOR BUILDING, &c.

We are glad to announce that the long-litigated cause "Hutchison a. Teychenne" was finally settled in the Vice-Chancellors' Court, on Thursday. The suit, it will be recollected, was instituted to obtain from the defendant, François Teychenne, a native of France, carrying on business as a purifier of finalize boots at Eedercas-squire, Crippicgate, the bonneft of letters patent. It appears that M. Charles Le Goux, of Bayenx, in Normandy, invented a process, which he denominated litho-pyrogene, having for its object to inflitrate soft stone with matters which harden and render it impermenble, and for which he obtained from the French Government a brevet diversities, dated in December 1843. Some negotiations took place between these two parties, and the defendant Teychenne proceeded to Normandy, and on his return, in April, 1846, instructed Messers. Barlow and Le Capelain, patent agents, to enter a carson, who accordingly, on the 6th of that month, entered the same in the Joint names of François Teychenne and Charles Le Goux, describing them as of Redeross-square, Cripplegate, and Paris : and on the 19th August he solving them as of Redeross-square, Cripplegate, and Paris : and on the 19th August he obtained the letters patent, the subject of the suit, in his own name. Mr. Hutchison afterwards bought the interest of Le Goux. The cause was heard in this Court on the 4th June, 1849, when his honour sent an inquiry to the Master's ropert; the latter, to wever, after a long discussion, were not proceeded with.

Mr. Cooper and Mr. Terrell were heard for the plaintiff. Mr. Russell and Mr. Hetheringion appeared for the defendant Teychenné.

His Honour said, he was satisfied that a caveat was entered by M. Teychenné, as agent for M. Le Goux, and that both names were used to facilitate subsequent arrangements. He thought at the hearing that some agreement might have existed, but none was about their, and although so long a time had elapsed, none was yet shown; and he conclided c

IMPROVEMENTS IN MANUFACTURING IRON AND STEEL.

The cause "Heath v. Unwin," for infringement of patent right, was tried for the third time in the Court of Common Flees on Saturday last. At the first trial, which took place in the Court of Exchequer, in 1841, the plaintiff was nonanited. At the second trial in this same court, in 1844, the Jury found for the plaintiff on all the issues, but leave was given to the defendant to move to enter a verdict on the plea of "not guilty," and a rule for that purpose having been obtained, the Court, after argument and deliberation, made it all the court of the property of the court of

ACCIDENTS.

Holmbush Mine.—James Francis, while in the act of tipping over a train waggon, con taining some large stones, a loose flannel coat which he had on caught in the waggon and he was whirled over and fell with the waggon a depth of about 20 feet. He survived about two hours, and has left a wife and six children. He had borne a good character and had worked at the mine about 17 years.

Abergron.-T. Thomas was killed while employed at the Cwmavon Works

Abcrason.—T. Thomas was killed while employed at the Cwmavon Works.

Abcrason.—T. Thomas was killed while employed at the Cwmavon Works.

Alerming Bolier Explosion at Bildon.—A serious accident happened at Measrs. Baldwin's colliery on Tuesday. The boller belonging to a whimsey, situate between Bildton and Moxley, and which worked four coal pits, burst, and the explosion was terrific. One part of the boller was forced in the direction of the turnpike road, a distance of 190 yards, and taking with it the corner of a hovel, descended on the railroad, breaking the rails, and then rebounding, was carried over the hedge, and across the turnpike road, where it fell. A horse and cart and two women were in close proximity, but happily escaped uninjured. The other part of the boller was carried in the opposite direction, towards the Pot House Bridge, a distance of 200 yards, taking with it a part of the engine, and throwing down the stack and the brickwork to a great distance. The mainshaft and fly-wheel were broken to pieces, and a small boller, which was by the side of the large one, was carried a distance of 19 yards: and the whole of the machinery was scattered in all directions. The engineer, John Johns, who is a very steady workman, had just left the side of the boller as the accident occurred. He was very much scaledd, but is going on favourably. It is said that the accident cannot be accounted for; the boller was cleaned and repaired the previous day. Seven or eight men and women were working on the pit bank at the time, close to the engine, but they all most providentially excaped.

Durham.—At the Little Chilton Colliery, John Maddison, a banksman, while walking along the gangway leading to the apparatus that separates the small coal, accidentally fell from the wall upon a waggon, by which he was so severely injured that he died.

Derham.—On the wall upon a waggon, by which he was so severely injured that he died.

Derham-Peth Colliery.—Nicholas Keegan, aged 25, while in charge of two waggons laden with ceal, p

Brancpeth Collery.—Nicholas Keegan, aged 25, while in charge of two waggons laden with ceal, proceeding down the incline, was crushed against a coke track, and killed. Derbyshive.—A man, named Cocker, was killed at the Speighthill Iron-stone pits, near Chescerfield. William Merchant was sadly injured at the same pits: he had been told by his companions that one of the pits was not safe, but would persist in going down it. He had been employed a short time, when the gearing at the top gave way, and foll upon his leg, breaking it so as to render amputation necessary.—Derbyshive Reporter.

Extraordinary Accident and Cure.—We find the following account of an extraordinary cure in the Union Medicale: —"Phinas Gage, aged 25, employed in the construction of a railway, was engaged in charging a hole made in a rock with powder, in order to blast it, when, supposing that the powder had become mixed with sand, he stired it up with a long from rod. An explosion instantly took place, and the bar was driven completely through the head of the man and fell a short distance from him, covered with blood and a part of his brains. The iron rod weighed 6 lbs., was 34 inches in length, and about an inch thick. It entered the left angle of the lower Jaw, and came out at the top of the head behind the bone of the forehead. The wounded man was knocked down by the blow, but immediately rose again, spoke to the persons round him, got up into a cart, in which he kept standing while it was being driven for more than a mile to an in, where he alighted and ascended a long staircase, and went to bed in the possession of his mental faculties. A surgeon arrived in half an hour after the accident. The upper part of the head was extensively fractured, and the wound at the side of the Jaw was large enough to admit has finger. The small pieces of the skull were removed, the larger boxes adjusted, and the wounds dressed. We shall not enter into the details of this interesting case, but merely say that the patient promptly recovered, with the less on

MONTHLY MAIL (ateam conveyance) for PASSENGERS and LIGHT GOODS to CEYLON, MADRAS, CALCUTTA, PEMANG, SINGAPOHE, and HONG-KONG.
THE PENINSULAR ABD ORIENTAL STEAM MAYIGATION COMPANY MONEY PASSENGERS and ESCRIVE GOODS and PARCELS for the ABOVE PORTS by their ateamers—starting frem Southampton on the 20th of every month; and from Sues on or about the 10th of the month.

BOMBAY.—Passengers for Bombay can proceed by this company's steamers of the 29th of the month, to Maita, thence to Alexandria by her Majesty's steamers, and from Sues by the Honourable East India Company's steamers.

MEDIFERRANEAN.—MAUX—On the 20th and 20th of every month. CONSTANTISMOFLE On the 29th of the month. ALEXANDRIA—On the 29th of the month.

SPAIN AND PORTUGAL.—Vigo, Oporto, Lisbon, Cadiz, and Gibraitar, on the 7th 17th, and 27th of the month.

For plans of the vessels, rates of passage-money, and to secure passages and ship cargony's offices, No. 122, Leadenhall-street, London; and Oriental-place, Southampton.

WUPER & CO.'S PATENT IMPROVED WIRE ROPES.

MANUFACTORY—GRAND SURREY CANAL, CAMBERWELL, LONDON.

SOLE AGENTS.

DOLE AGENTS.

10, NORTH JOHN-STREET, LIVERPOOL, and \$\(\); ALBION-STREET, LEEDS.**

The great SUPERIORITY and ECOMOMY of WIRE ROPES for MINES and RAIL-WAYS, over Hemp Ropes or Chains, has been fully established by extensive use in all the principal mining districts in the United Kingdom for many years—being chapper, much lighter, more durable, and a great essing to the engine.

KUPER & CO. request particular attention to their IMPROVED FLAT ROPES, and their very superior mode of stitlehing; also to their ROUND ROPES, for Inclines, &c., and PIT GUIDES or CONDUCTORS made of very thick wire, and in one length, without joints.

at joints.

Prices, carriage free to the nearest rallway or water station, 56s. per cwt. for round
s, per cwt. for flat ropes; galvanising, 10s. per cwt. extra.

SIGNAL CORD, galvanised or varnished, of all sizes, for Mines, Railways, &c., from

s. per 100 yards. GALVANISED SIGNAL PULLEYS, with brass wheels, 6s. per dozen.

GALVANISED and CORRUGATED IRON ROOFING, GUTTERING, SPOUTING.
WATER and GAS PIPES, of all kinds, FIXED and SUPPLIED.
GALVANISED GAS, WATER, and STEAM PIPES, of great strength.
FAIRBANKS PATENT WEIGHING MACHINES, of all sizes, at very low prices.
ASPHALTED ROOFING FELT, 1d. per square foot.
DRY HAIR BOILER FELTS, of all thicknesses.
PATENT WIRE STRAND FENCING and ORNAMENTAL WIRE WORK, for Radiray, Park, and Agricultural Fencing.—F. & H. J. Morton have fixed upwards of 500
siles of this fencing in the last few years.—Price from 1s. 6d. per yard, fixed, complete.

2- STOCKS constantly kept in LIVERPOOK, LEEDS, and LONDON.

F. & H. J. MORTON,

PATENT GALVANISED IRON AND SPOUTING WORKS,
10, NORTH JOHN-STREET, LIVERPOOL, and 94, ALBION-STREET, LEEDS.

DICKFORD'S PATENT SAFETY FUSE.—The Patentees of the Original, and only real, SAFETY FUSE, beg to inform Merchants, Mine Agents, Railway Contractors, and all persons concerned in Blasting Operations, that, for the purpose of protecting the public in the use of a genuine article, the PATENT SAFETY FUSE has now a threast wrought isste its centre, which being patent right, infallibly distinguishes it from all invitations, and ensures the continuity of the gun powder The Safety Fuse is now protected by a Second Patent, and manufactured by greatly im proved machinery.

BICKFORD, SMITH, DAVEY, Camborne, Cornwall.

WILLIAM BROTHERTON AND CO., PATENT OIL MERCHANTS TO THE QUEEN, the Honourable the Board of Admiralty, the principal Steam Navigation and Railway Companies, Engineers, and Manufacturers, in the United Kingdom,

the Hononrable the Board of Admiralty, the principal Steam Navigation and Railway Companies, Engineers, and Manufacturers, in the United Kingdom. HUNGERFORD WHARF, CHARING-CROSS, LONDON.

W. BROTHERTON & CO. take the present opportunity of again bringing before the notice of the public their PATENT MACHINE and LAMP Oll., and at the same time thanking their friends for the liberal support and patronage they have received during the past four years. Their best thanks are also tendered to those practical engineers, and scientific gentlemen, threugh whose kind communications, upon lubrication and frictional resistance, they have been enabled to bring their PATENT Oil. to a state of chemical perfection not previously contemplated.

The important properties of W. B. & Co.'s oil are the peculiar softness of its body, its limpidity under all ordinary temperatures, and its unctaous nature. Being of a non-drying quality, it produces a complete separation of the parts when in motion—thus becoming itself the working body, and preventing friction; its chemical purity is such, that no addition takes place on the metals, or alloy forming the bearings; consequently those evils so perplexing to engineers, and so destructive in their tendency, are at once removed, and thereby the value of the oil more than saved.

W. BROTHERTON & CO. consider it unnecessary to publish any of the numerous and flattering testimonials they have received; but they will at all times feel happy in giving every information on the subject, and in receiving any communication likely to further the object they have in view.

In calling the attention of the public to their LAMP OIL, W. B. & Co. would merely state, that after the most awere tests, it is proved to be superior to all other patent oils for brilliancy, and that its durability causes a saving of at least 20 per cent, in the quantity consumed. A liberal Commission ellowed to competent departs.

October, 1850.

UNDER BRITISH AND FOREIGN LETTERS PATENT. UNDER BRITISH AND FOREIGN LETTERS PATENT.

I UTCHISONISED STONE, BRICKS, &c.—TO LAND PROPRIETORS, ENGINEERS, ARCHITECTS, &c.—The SOFTEST STONE, CHALK, GYPSUM, CLAY, SAND, &c., INDURATED AS HARD AS GRANITE—will never vegetate nor disintegrate, being impervious to atmospheric action, &c. For all Foundations, external and internal Buildings, Docks and Sea Walls, Sewerage, Paving, Decorative and Monumental Works, the HUTCHISONISED MATERIALS are unequalled for durability and low cost.—(See Testimonisis and Prices.)

PASTEBOARD, SOFT WOOD, and other ABSOREENT MATERIALS, rendered WATERPROOF, and imperishable from weather, vermin, &c.

LICENSES GRANTED ON LIBERAL TERMS.

Apply to Ws. HUTCHISON, Hatchisonised Stone Works, &c., Tunbridge Wells, Kent.

DATENT IMPROVEMENTS IN CHRONOMETERS.

WATCHES AND CLOCKS.

E. J. DENT, 82, Strand; 33, Cockspur-street; 34, Royal Exchange (clock tower area), Watch and Clock Maker, BY APPOINTMENT, to the Queen and his Royal Highness Prince Albert, begs to acquaint the public, that the manufacture of his chronometers watches, and clocks, is secured by three separate patents, respectively granted in 1836, 1340, 1842, Silver lever watches, jewelled in four holes, 6 gs. acach; in gold cases, from £8 to £10 extra. Gold horizontal watches, with gold dials, from £6 gs. to 12 gs. cach.

DENT'S PATENT DIPLIEDOSCOPE.

or Maridian Instrument, is now ready for delivery.—Pamphlets containing a description and directions for its use is. each, but to customers gratis.

and directions for its use 1s. each, but to customers graits.

EWERAGE OF LONDON.—The ATTENTION of the COMMISSIONERS appointed to determine upon the MOST EFFICIENT MATERIAL for the CONSTRUCTION of the SEWERS OF LONDON, is particularly directed to the ASPHALTE OF SEVSSEL, which more than any other material is applicable to the CONSTRUCTING and INTERNAL COATING of BRICK CULVERTS and OTHER CHANNELS for DEAINAGE.

The experiments made by the Royal Artillery on the embrasures of Plymouth Citadel, constructed of Seysel Asphalte Brickwork, under the orders of the Hon. Board of Ord nance, have fully proved the superiority, adhesiveness, and strength of Seyssel Asphalte over all other cementitions compositions. A printed account of these experiments can be had on application to Seyssel Asphalte Company—"Claridge's Palent"—Etablished 1838.

Note.—The application of the Asphalte of Seyssel is specially recommended by the Commissioners on the Fino Arts for covering the ground line of brickwork in marshy situations, and it has been suggested that it would be paculiarly applicable for covering the areas of closed grave yards, and for the construction of catacombs.

AS!—GAS!—GAS!—GUISE'S CONICAL SHADOWLESS GAS BURNER is SUPERSEDING EVERY OTHER BURNER of the
day. It is now being generally ADOPTED in TOWN and COUNTRY, with very great
advantage to consumers. The LIGHT is PURER and WHITER than that from any
other burner. Though the gas flame is doubly deflected, a common straight chimney is
employed to produce the draught, so that if broken it is easily replaced.
The CATOPTRIC REFLECTOR is a most important feature of this invention; both
may be had of all respectable gas fitters, and at GUISE'S GAS BURNER MANUFACTORY, 45, CLERRENWELL-GREEN, LONDON.—None are genuine unless marked
"Guise's Patent."

TESTIMONIAL

I have tried several comparative experiments with Guise's Conical Shadowless Gas gracer, and I consider it to give a rungs and whites flame than I have yet seen pro-

IN COURSE OF MANUFACTURE,

THE VERMIN ANNIHILATOR.—This COMPOUND will be found most USEFUL in SHIPS, STORES, GRANARIES, FARMS, WARE-HOUSES, and PRIVATE DWELLINGS. It will effectually, and with perfect safety in application, DESTROY BLACK BEETLES, COCKHOACHES, BUGS, MICE, and even

Application, DESTROY BLACK BEETLES, CUCKBUAURES, BUGS, MAINS, application, DESTROY BLACK BEETLES, CUCKBUAURES, BUGS, MAINS, MAINS, and touch it.

It destroys by evaporation, causing no offensive smell from decayed animal matter, and consequently is the BEST SANITARY REMEDY for EXTERMINATING VERMIN. The vernin will take it readily, and its effect is not only to destroy life, but to reduce them afterwards to mere powder—thus completely "annihilating." It has been applied most successfully by several private families.

Price is, per box; a case, containing 12 boxes, will be sent carriage free to any part, npon receipt of a Poet-office order for 12s, payable at Charing-cross Poet-office, to "Brackfield, Cumming, and Co.," Western Publicity Depôt, Princes-street, Leicester-square.

AGENTS WANTED.

AGENTS WANTED.

THE PATENT OFFICE AND DESIGNS REGISTRY,
NVENTORS will receive (grashs), on application, the OFFICIAL CIRCULAR OF
INVORMATION, detailing the eligible course for PROTECTION of INVENTIONS and
DESIGNS, with Reduced Scale of Fees.

Messrs. F. W. CAMPIN and CO. offer their services, and the benefit of many years
experience, in SECURING PATENTS and BEGISTRATIONS OF DESIGNS, with due
egard to valupiet, ecomomy, and dispatch—assisted by selectific men of repute.

Also, in MECHANICAL and ENGINEERING DRAWINGS, whether connected with
Patents, Railways, or otherwise, by a staff of first-rate draftsman.

Application personally, or by letter, to F. W. Campin and Co., No. 210, Strand (cor-

Application personally, or by letter, to F. W. Campin and Co., No. 210, Strand (corner of Essex-street).

TMPROVED LIFTING IMPROVED BATCHET JACKS,

HALBY'S PATER

RAILIE S

MANUFACTURED BY

W. AND J. GALLOWAY,

PATENT RIVET WORKS. MANCHESTER.

Theuttention of parties who employ

Milting Buchs, respectfully requested to the su wity of those annexed, over th hitherto in use.

HENRY BAKER has INVENTED a NEW STEAM GAUGE, which holds the following ADVANTAGES r those already in use: —
. It cannot get out of order in carriages.

STEAM-ENGINE INDICATORS £4 10 0 & 5

AND OTHER SCIENTIFIC INSTRUMENTS. HENRY BAKER INSTRUMENT MAKER, BY APPOINTMENT, TO THE BOARD OF ADMIRALTY,

90, HATTON-GARDEN, LONDON. TENTILATION OF COAL MINES: by W. BRUNTON, C.E. ENTILATION OF COAL MINES: by W. BEUNTON, C.E.

The ARTIZAN, for December, price is., contains an article on this subject, with
agraving of Mr. Brunton's Ventilating Apparatus—Lamb and Summer's Patent Sheet
ster-Space Boilers, as applied to the Pacha, and for vessels of war—Analysis of the
perfiments on the Strength of Iron, by the Railway Commission—French System of
spansion Cams—Indicator Diagrams, from double cylinder engine—Steam Fire-Engina
the West India Docks—Afrial Navigation—American and English Marise Water Tube
oliters—Mr. Thorneycroft on Railway Axies—Cast-Iron Magnets—New Compound of
sin and Lard—On Fixing Colours on Tissues—Details of Building for the Great Exbition—Church and School Architecture, by the Rev. F. J. Jobson—Dimensions and
stalls of New Steamers—List of Ships Building on the Wear—New Fatents—Rogistrams. &c.—May be had of any bookseller, or will be sent froe for 18 stamps, addressed to
atthew Soul, Arlian Office, 69, Cornhill, London.

Matthew Soul, Artisan Office, 69, Cornhill, London.

THE MINING ALMANACK, ror 1851: under the immediate Sanction and Patronage of his Royal Highness PRINCE ALBERT, K.G., Lord Warden of the Stannaries, Chief Steward of the Duchy of Cornwall and Deron, &c. By HENRY ENGLISH, Editor of the "Mining Journal"—"Mining Review," &c. The success attendant on the publication of the MINING ALMANACK, being the only Annual devoted to the Mining Interests, induces the Editor to announce the issue of the Third Volume early in the ensuing year, comprising, in addition to Original Papers, Statistical and Tabular Matter, interesting to the adventurer and useful to the practical miner, with a comprehensive compendium of information treating on the Industrial Exhibition of 1851, so as to afford to those who may visit the metropolis, whether from our mineral districts or foreign climes, a facility of acquiring knowledge on all subjects pertaining to Geology, Mineralogy, Metallurgy, and the Allied Sciences.

Communications are requested to be forwarded to the Editor, 25, Fleet street, London, to whom advertisements and subscribers' names may be addressed, or to the publishers. A list of subscribers will accompany the work.

London: Simplicia, Marshall, and Co., Stationers'-hall-contr.

O INVENTORS & PATENTEES.—Messrs. ROBERTSON TO INVENTORS & PATENTEES.—Messys. ROBERTSON and CO., PATENT SOLICITORS, 166, FLEET-STREET, LONDON (of which firm Mr. J. C. Robertson, the Editor of the Mechanic Magazine from its commoncement, in 1833, is principal partner), undertake the PROCURATION of PATENTS for ENGLAND, SCOTLAND, HELAND, and all FOREIGN GOUNTRIES, and the transaction generally of all business relating to Patents.—Specifications Drawn or Revised; Discisioners and Memorandums of Alteration Prepared and Enrolled; Cawasta Entered and Oppositions Conducted; Confirmations and Prolongations of Patents Solucited; Searches made for Patents, and Copies or Abstracts Supplied; Advice on Cases submitted, &c. Intending Patentees supplied gratis with printed instructions, on application, either personally or by letter.

All the New Patents, all the New Articles of Utility Registered, and the Claims of all the Specifications Enrolled in each week, given regularly in the "MECHANIOS' MAGAZINE" price 3d.; stamped (to go by post), 4d.; and in monthly parts and half-yearly volumes.—Office, 166, Fleet-street.

AILWAY ACCIDENTS.—The CLAIMS on the RAILWAY
PASSENGERS' ASSURANCE COMPANY, to this date, have been—for TWO
FATAL CASES, each insured for £500; and FORTY-FOUR CASES of PERSONAL
INJURY, met by payments varying in amounts up to £710.

THE RAILWAY FASSENGERS' ASSURANCE COMPANY
Is empowered by Special Act of Participants, is and in Felorics, cap. 40.

OFFICES, No. 270 DE BROAD-STEET, LONDON.

JOHN DEAN FAUL, Esq., No. 27, Great Tower-street, Deput-Chairman.

G. B. HARISON, Esq., No. 24, Great Tower-street, Deput-Chairman.

For a ticket to insure for a SINGLE JOHNEY, irrespective of distance:—
3d. to insure for a SINGLE JOHNEY, irrespective of distance:—
3d. to insure for 200 DE 1000 in a first-class carriage.
2d.

For a PERIODICAL TICKET, which covers the risk of travelling on any railway, and in any class eartiage.

For a PERIODICAL TICKES, which corrected a consider a constraint of any class carriage:

To insure £1000 premium
any class carriage:

To insure £1000 premium
30s. per annum.

5s. ditto
Ss. ditto
The total amount insured will be paid in the event of death by accident while traveling by railway; and proportionate compensation afforded in cases of personal injury.
Insurance tickets obtainable at most railway stations, where also prospectues of the ompany may be had, giving particulars of the cases relieved.

Periodical tickets likewise obtainable of the provincial agents to the company, and at to. 3, Old Broad-street, London.

ALEXANDER BEATTIE, Secretary.

Periodical access interine obtainable of the provincial agents of the complant, and as No. 3, Old Broad-street, London.

ALEXANDER BEATTIE, Secretary.

PROFESSIONAL LIFE ASSURANCE COMPANY.—
ADMITTING ON EQUAL TERMS PERSONS OF EVERY CLASS AND DEGREE TO ALL ITS BEREFITS AND ADVANTAGES.

By the Deed of Settlement the directors have power to appropriate—

1. For the relief of aged and distressed parties assured for life, who have paid five years' premiums, their widows and orphans—one-tenth of the entire profits of the company,—2. For the relief of aged and distressed original proprietors, assured or not, their widows and orphans—one-tenth of the entire profits of the company, together with 5 per cent. per annum on the capital originally invested by them—thereby combining advantages for the living not to be found in any other existing company.

Tacoprorated by Act of Parkiament.

Capital £280,000.

CHAIRMAN—JAMES ANDREW DURHAM, Esq.

With upwards of 1400 shareholders.

All policies indisputable and free of stamp duty.

Bates of premium extremely moderate.

No extra charge for going to or residing at (in time of peace) Australasis, Bermals, Madeira, Cape of Good Hope, and the British North American Colonies.

Medical men in all cases remunerated for their report.

Assurances granted against paralysis, bindness, accidents, insanity, and every other affliction, bodily and mental, at moderate rates.

A liberal commission allowed to agents.

Annual premium for assuring £100, namely:—

Agg—20.

\$\frac{25}{13} \frac{6}{6} \frac{13}{6} \frac{6}{6} \frac{13}{6} \frac{13}{6} \frac{6}{6} \frac{13}{6} \frac{13}{6} \frac{6}{6} \frac{13}{6} \frac{6}{6} \frac{13}{6} \frac{1

Offices, 76, Cheapside, London.

Offices, 76, Cheapside, London.

COUGHS, ASTHMA, AND INCIPIENT CONSUMPTION are EFFECTUALLY CURED.—KEATINGS'S COUGH LOZENGES have been proved by long experience to be equally efficacious and powerful in those servers forms of pulmonic affections—asthma, incipient consumption, cironic bronelitis, and spasmodic cough—as in the midder, but offen not loss troublesome disorders of the throot and chest, winter cough, loarseness, difficulty of breathing, and fritation of the throot, &c. Their entire freedom from all debterious singredients and cipiates, whilst it renders Kesting's Cough Lozenges a safe remedy for the most delicate female or youngest child, has caused them to be held in the highest esteem by public spaakers, clergymen, and professional singers; but, perhaps, the high approval which is bestowed upon these lozenges by some of the most emineus of the faculty, is the best and most convincing guarante of their safety, efficacy, and purity.—Prepared and sold in boxes, is, i led., and tirs, 2s, 8d. 4s. 6d., and 10s. 6d. each, by Thomas Keating, Chemist, &c., No. 79, 8t. Paul's Churchyard, London. Sold retail by all druggists, and patent medicine vendors in the kingdom IMPORTANT TESTIMONIAL.

Church-street, Folkestone, Nov. 22d, 1848.

Sis.,—Having been troubled with a very bad cough for the last eight months, I applied to Mr. Hammon, chemist of this town, for some relief; he recommended me your "Cough Lozenges," which I am happy to any cured me in a week. I beg most cordaily to recommend them, and request you will not hesitate to make this letter public; such a valuable remedy cannot be too highly recommended.

JOHN HILL, Bart.

London: Printed by Richard Middleron, and published by Hener Emglish (the proprietors), at their offices, No. 26, Fleet-street, where all communications are Frequently to be addressed.